



**BENITO GIMENO MARTINEZ**

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## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

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Summary:

Benito Gimeno Martínez was born in Valencia, Spain, on January 29, 1964. He received the Licenciado Degree in Physics in 1987, and the PhD degree in 1992, both from the Universidad de Valencia, Spain. He was a Fellow at the Universidad de Valencia from 1987 to 1990. Since 1990 he served as Assistant Professor in the Departamento de Física Aplicada y Electromagnetismo, and ICMUV (Instituto de Ciencia de Materiales) at the Universidad de Valencia, where he became Associate Professor in 1997, and Full Professor in 2010. Since 2018 he is at the Institute of Particle Physics, IFIC (University of Valencia and CSIC).

He was working at ESA/ESTEC (European Space Research and Technology Centre of the European Space Agency) as a Research Fellow during 1994 and 1995. In 2003 he obtained a Fellowship from the Spanish Government for a short stay at the Università degli Studi di Pavia (Italy) as a Visiting Scientific.

His current research interests include the areas of advanced computer-aided techniques for analysis of microwave and millimetre-wave passive components for space applications, waveguides and cavities structures including dielectric objects, electromagnetic band-gap structures, frequency selective surfaces, and non-linear phenomena appearing in high-power microwave subsystems and particle accelerators (multipactor effect, corona effect and passive inter-modulation phenomena).

More recently, he started to work in the area of particle accelerators for Hadrontherapy in collaboration with CERN (Geneve, Switzerland). Nowadays he is the Director of the Laboratory of High-Power RF for Medical Applications at Institute of Particles Physics, IFIC (University of Valencia and CSIC).

In other side, he is the Director of the European High Power Space Materials Laboratory, Val Space Consortium (Valencia). This public consortium has a partnership with European Space Agency for testing and analysis of materials for space applications.

Five years ago he was involved in a project for dark matter axions search in cooperation with the University of Zaragoza, CERN (Switzerland), University of Viena (Austria), Technical University



of Cartagena (Murcia), Yebes Astronomy Center (Guadalajara), and Laboratorio Subterráneo de Canfranc (Huesca).

He is co-author of more than 125 articles in international transactions and journals. He has been the supervisor of 9 PhD Thesis, and 30 Final Degree Works and Master Thesis. He has written 7 chapters of books. He is reviewer of 20 international journals and transactions. He has published more than 320 articles in national and international conferences and workshops. He has participated in more than 60 research projects funded by public and private funding.

Results in Web of Science:

h-index=14

Average citations per item=6,97

Sum of times cited=718

Sum of times cited (Without self citations)=642

Number of Five-Years Teaching (Quinquennium)=6

Number of Sixe-Years Research (Sexennium)=5

Number of Sixe-Years Knowledge Transfer and Innovation (Sexennium)=1

**BENITO GIMENO MARTINEZ**

Surname(s): **GIMENO MARTINEZ**  
 Name: **BENITO**  
 DNI: **22688798B**  
 ORCID: **0000-0001-5976-0432**  
 ResearcherID: **AAA-5637-2019**  
 ScopusID: **7004534603**  
 Date of birth: **29/01/1964**  
 Gender: **Male**  
 Nationality: **Spain**  
 Country of birth: **Spain**  
 Contact address: **Departamento de Física Aplicada y Electromagnetismo-  
IFIC, Universitat de València C/Dr. Moliner, 50 46100 -  
Burjasot(Valencia), Spain**  
 Postcode: **46100**  
 Contact country: **Spain**  
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**Current professional situation**

**Employing entity:** Universitat de València  
**Department:** FACULTY OF PHYSICS, INSTITUT DE FÍSICA CORPUSCULAR (IFIC)  
**Professional category:** CATEDRÁTICO DE UNIVERSIDAD  
**Start date:** 13/04/2010  
**Type of contract:** Civil servant **Dedication regime:** Full time  
**Primary (UNESCO code):** 220210 - Radiowaves and microwaves  
**Secondary (UNESCO code):** 330708 - Microwave devices  
**Tertiary (UNESCO code):** 221201 - Electromagnetic fields  
**Performed tasks:** FILL THE INFORMATION ABOUT PRESENT PROFESSIONAL OCUPATION IN YOUR TEXT'S CURRICULA TAB

**Previous positions and activities**

	<b>Employing entity</b>	<b>Professional category</b>	<b>Start date</b>
<b>1</b>	Universitat de València	Catedrático de Universidad	13/04/2010
<b>2</b>	Universitat de València	Coordinador de Cuarto Curso del Grado en Física de la Universidad de Valencia	01/04/2010
<b>3</b>	Universitat de València	Miembro de la CAT (Comisión Académica de Título) del Grado en Física de la Universidad de Valencia. Cargo obtenido por ser Coordinador de Cuarto Curso.	01/04/2010
<b>4</b>			12/05/2009

	Employing entity	Professional category	Start date
		Acreditación Nacional para Catedrático de Universidad (Área de Conocimiento: Ciencias)	
5	Universitat de València	Secretario del Departamento de Física Aplicada y Electromagnetismo de la Universidad de Valencia	12/06/1999
6	Universitat de València	Prof. Titular Universidad	21/01/1997
7	Universitat de València	Asociado Tiempo Completo	01/10/1995
8	Universitat de València	Ayudante de Facultad	01/10/1990
9	Universitat de València	Miembro de la Junta de Facultad de la Facultad de Física de la Universidad de Valencia	01/02/1990
10	Universitat de València	Becario F.P.I.	01/01/1989
11	Universitat de València	Profesor Asociado 6 horas	01/10/1988
12	Universitat de València	Becario de Investigación	01/09/1987

**1** **Employing entity:** Universitat de València

**Professional category:** Catedrático de Universidad

**Start date:** 13/04/2010

**2** **Employing entity:** Universitat de València

**Professional category:** Coordinador de Cuarto Curso del Grado en Física de la Universidad de Valencia

**Start date:** 01/04/2010

**Duration:** 3 months - 23 days

**3** **Employing entity:** Universitat de València

**Professional category:** Miembro de la CAT (Comisión Académica de Título) del Grado en Física de la Universidad de Valencia. Cargo obtenido por ser Coordinador de Cuarto Curso.

**Start date:** 01/04/2010

**Duration:** 3 months - 23 days

**4** **Professional category:** Acreditación Nacional para Catedrático de Universidad (Área de Conocimiento: Ciencias)

**Start date:** 12/05/2009

**Duration:** 1 day

**5** **Employing entity:** Universitat de València

**Professional category:** Secretario del Departamento de Física Aplicada y Electromagnetismo de la Universidad de Valencia

**Start date:** 12/06/1999

**Duration:** 2 years - 11 months - 27 days

**6** **Employing entity:** Universitat de València

**Professional category:** Prof. Titular Universidad

**Start date:** 21/01/1997

**Duration:** 13 years - 2 months - 23 days

**7** **Employing entity:** Universitat de València

**Professional category:** Asociado Tiempo Completo

**Start date:** 01/10/1995

**Duration:** 1 year - 3 months - 20 days



- 8** **Employing entity:** Universitat de València  
**Professional category:** Ayudante de Facultad  
**Start date:** 01/10/1990 **Duration:** 5 years
- 9** **Employing entity:** Universitat de València  
**Professional category:** Miembro de la Junta de Facultad de la Facultad de Física de la Universidad de Valencia  
**Start date:** 01/02/1990 **Duration:** 5 years - 11 months
- 10** **Employing entity:** Universitat de València  
**Professional category:** Becario F.P.I.  
**Start date:** 01/01/1989 **Duration:** 1 year - 9 months
- 11** **Employing entity:** Universitat de València  
**Professional category:** Profesor Asociado 6 horas  
**Start date:** 01/10/1988 **Duration:** 3 months
- 12** **Employing entity:** Universitat de València  
**Professional category:** Becario de Investigación  
**Start date:** 01/09/1987 **Duration:** 1 year - 4 months



## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

**University degree:** Diploma / Degree / Activities  
**Name of qualification:** Licenciado en Ciencias Físicas  
**Degree awarding entity:** Universitat de València  
**Date of qualification:** 17/08/1987

#### Doctorates

**Doctorate programme:** Doctor en Ciencias Físicas  
**Degree awarding entity:** Universitat de València      **Type of entity:** University  
**Date of degree:** 07/07/1992

#### Other postgraduate university studies

- 1 Type of education:** Postgraduate  
**Postgraduate qualification:** Curso 'Microondas: Fundamentos y Aplicaciones', impartido por la Universidad de Verano 'Antonio Machado', Baeza (Granada). Organización: Universidad de Granada. Duración: 40 horas.  
**Date of qualification:** 05/09/1988
- 2 Type of education:** Postgraduate  
**Postgraduate qualification:** Primer y Segundo Curso de Doctorado (1987-1988/1988-1989) impartido por el Departamento de Electrónica e Informática de la Universidad de Valencia. Tema: 'Procesado Digital de Señales'. Obtención de la Suficiencia Investigadora.  
**Date of qualification:** 01/10/1987

### Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1 Type of training:** Course  
**Training title:** Curso 'Herramientas de Evaluación en Aula Virtual: Actividades, Cuestionarios y Fichas', impartido por el Servicio de Formación Permanente de la Universidad de Valencia. Duración: 4 horas.  
**End date:** 05/11/2009
- 2 Type of training:** Course  
**Training title:** Curso 'Introducción a la programación sobre CrayOrigin2000', impartido en la Universidad de Valencia por Silicon Graphics España.  
**End date:** 22/10/1997

**3 Type of training:** Course

**Training title:** Curso 'Introduction to Spacecraft Systems Engineering Course', impartido por el Department of Aeronautics and Astronautics, Faculty of Engineering and Applied Science, University of Southampton (United Kingdom). Realizado en la Agencia Espacial Europea ESA/ESTEC, Noordwijk (The Netherlands).

**End date:** 01/12/1994

**4 Type of training:** Course

**Training title:** Curso 'HP8510 Networkanalyzer', impartido por Hewlett Packard-Holland en la Agencia Espacial Europea ESA/ESTEC, Noordwijk (The Netherlands). Duración: 20 horas.

**End date:** 10/06/1994

**5 Type of training:** Course

**Training title:** Curso de Iniciación de Lengua Valenciana para Universitarios impartido por el Servicio de Normalización Lingüística de la Universidad de Valencia.

**End date:** 30/06/1990

**6 Type of training:** Course

**Training title:** Curso 'Medidas de microondas con el analizador de redes HP-8510B'. Recibido por Hewlett Packard-Madrid en el Departamento de Física Aplicada de la Universidad de Valencia. Duración: 20 horas.

**End date:** 10/05/1989

## Teaching experience

### General teaching experience

**1 Type of teaching:** International teaching

**Name of the course:** Preliminares de PLANCKS 2021. Supervisor de la prueba.

**Type of programme:** Teaching in grade

**End date:** 05/03/2021

**2 Type of teaching:** International teaching

**Name of the course:** Asistencia a la Reunión Nacional del Área de Electromagnetismo (Sevilla)

**Type of programme:** Teaching in grade

**End date:** 25/01/2020

**3 Type of teaching:** Official teaching

**Name of the course:** Jornada de Prácticas Externas organizadas por el ADEIT en el Campus de Burjasot-Paterna de la Universitat de València

**Type of programme:** Teaching in grade

**End date:** 20/06/2017

**Entity:** Universitat de València

**4 Type of teaching:** Official teaching

**Name of the course:** Seminario de la asignatura 'Proyectos de Máster' del Máster de Ingeniería Electrónica de la Universidad de Valencia. Título: 'Gestión de Proyectos en Aplicaciones Aeroespaciales: el ejemplo del VLC/Campus'. Duración: 5 horas.

**Type of programme:** Teaching in third cycle

**End date:** 07/04/2016





- 5** **Type of teaching:** Official teaching  
**Name of the course:** Seminario de la asignatura 'Proyectos de Máster' del Máster de Ingeniería Electrónica de la Universidad de Valencia. Título: 'Gestión de Proyectos en Aplicaciones Aeroespaciales: el ejemplo del VLC/Campus'. Duración: 5 horas.  
**Type of programme:** Teaching in third cycle  
**End date:** 16/04/2015
- 6** **Type of teaching:** Official teaching  
**Name of the course:** Tribunal de Trabajo de Fin de Grado del 'Grado en Física' de la Universitat de València. Participación: Secretario. Curso 2011-2012.  
**Type of programme:** Teaching in grade  
**End date:** 11/09/2012
- 7** **Type of teaching:** Official teaching  
**Name of the course:** Seminario: 'Propagación en tecnología guiada' en el Máster 'Tecnologías, sistemas y redes de comunicaciones' (con mención de calidad) de la Universidad Politécnica de Valencia. Duración: 10 horas  
**Type of programme:** Teaching in third cycle  
**End date:** 01/06/2012
- 8** **Type of teaching:** Official teaching  
**Name of the course:** Seminario: 'Propagación en tecnología guiada' en el Máster 'Tecnologías, sistemas y redes de comunicaciones' (con mención de calidad) de la Universidad Politécnica de Valencia. Duración: 10 horas  
**Type of programme:** Teaching in third cycle  
**End date:** 20/05/2011
- 9** **Type of teaching:** Official teaching  
**Name of the course:** Seminario: 'Propagación en tecnología guiada' en el Máster 'Tecnologías de la Información y Comunicaciones' de la Universidad Politécnica de Cartagena. Duración: 4 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 07/06/2010
- 10** **Type of teaching:** Official teaching  
**Name of the course:** Seminario: 'Propagación en tecnología guiada' en el Máster 'Tecnologías, sistemas y redes de comunicaciones' (con mención de calidad) de la Universidad Politécnica de Valencia. Duración: 10 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 23/04/2010
- 11** **Type of teaching:** Official teaching  
**Name of the course:** Seminario: 'Propagación en tecnología guiada' en el Máster 'Tecnologías, sistemas y redes de comunicaciones' (con mención de calidad) de la Universidad Politécnica de Valencia. Duración: 10 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 22/05/2009
- 12** **Type of teaching:** Official teaching  
**Name of the course:** Curso de Verano 'Investigación en el espacio y sistemas de defensa. El proyecto espacial europeo' de la Universidad Politécnica de Cartagena (Cartagena, Murcia). Tema: 'Trabajar en ESTEC, una experiencia positiva'. Duración: 2 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 30/07/2008



- 13** **Type of teaching:** Official teaching  
**Name of the course:** Seminario: 'Propagación en tecnología guiada' en el Máster 'Tecnologías, sistemas y redes de comunicaciones' (con mención de calidad) de la Universidad Politécnica de Valencia. Duración: 10 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 15/05/2008
- 14** **Type of teaching:** Official teaching  
**Name of the course:** Tribunal de Tesis de Máster del 'Máster de Física Avanzada - Especialidad Fotónica' de la Universitat de València. Curso 2006-2007.  
**Type of programme:** Teaching in third cycle  
**End date:** 30/09/2007
- 15** **Type of teaching:** Official teaching  
**Name of the course:** Seminario: 'Propagación en tecnología guiada' en el Máster 'Tecnologías, sistemas y redes de comunicaciones' (con mención de calidad) de la Universidad Politécnica de Valencia. Duración: 10 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 31/07/2007
- 16** **Type of teaching:** Official teaching  
**Name of the course:** Curso de Doctorado 'Ingeniería Avanzada de Microondas' impartido en el Programa de Doctorado de la Universidad Politécnica de Valencia (con mención de calidad). Tema: 'Propagación en tecnología guiada'. Duración: 10 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 31/07/2006
- 17** **Type of teaching:** Official teaching  
**Name of the course:** Curso de Verano 'Investigación en el espacio: el proyecto espacial europeo' de la Universidad Politécnica de Cartagena (Cartagena, Murcia). Tema: 'Trabajar en ESTEC, una experiencia positiva'. Duración: 2 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 28/07/2006
- 18** **Type of teaching:** Official teaching  
**Name of the course:** Curso de Doctorado 'Técnicas avanzadas de diseño de antenas y equipos RF para comunicaciones móviles y por satélite' impartido en el Programa de Doctorado de la Universidad Politécnica de Cartagena (Cartagena, Murcia). Tema: 'Propagación en tecnología guiada'. Duración: 10 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 31/07/2005
- 19** **Type of teaching:** Official teaching  
**Name of the course:** Curso de Doctorado 'Ingeniería Avanzada de Microondas' impartido en el Programa de Doctorado de la Universidad Politécnica de Valencia (con mención de calidad). Tema: 'Propagación en tecnología guiada'. Duración: 10 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 31/07/2005
- 20** **Type of teaching:** Official teaching  
**Name of the course:** Curso de Doctorado 'Técnicas avanzadas de diseño de antenas y equipos RF para comunicaciones móviles y por satélite' impartido en el Programa de Doctorado de la Universidad Politécnica de Cartagena, Cartagena (Murcia). Tema: 'Propagación en tecnología guiada'. Duración: 10 horas  
**Type of programme:** Graduate Courses - Taught  
**End date:** 31/07/2004

**21 Type of teaching:** Official teaching

**Name of the course:** Curso de Doctorado 'Ingeniería Avanzada de Microondas' impartido en el Programa de Doctorado de la Universidad Politécnica de Valencia (con mención de calidad). Tema: 'Propagación en tecnología guiada'. Duración: 10 horas

**Type of programme:** Graduate Courses - Taught

**End date:** 31/07/2004

**22 Type of teaching:** Official teaching

**Name of the course:** Curso de Doctorado 'Técnicas avanzadas de diseño de antenas y equipos RF para comunicaciones móviles y por satélite' impartido en el Programa de Doctorado de la Universidad Politécnica de Cartagena (Cartagena, Murcia). Tema: 'Superficies Selectoras de Frecuencia. Aplicaciones en microondas y ondas milimétricas'. Duración: 10 horas

**Type of programme:** Graduate Courses - Taught

**End date:** 31/07/2003

**23 Type of teaching:** Official teaching

**Name of the course:** Curso de Doctorado 'Técnicas avanzadas de diseño de antenas y equipos RF para comunicaciones móviles y por satélite' impartido en el Programa de Doctorado de la Universidad Politécnica de Cartagena (Cartagena, Murcia). Tema: 'Superficies Selectoras de Frecuencia. Aplicaciones en microondas y ondas milimétricas'. Duración: 10 horas

**Type of programme:** Graduate Courses - Taught

**End date:** 31/07/2002

**24 Type of teaching:** Official teaching

**Name of the course:** Coordinador del Laboratorio de Técnicas Experimentales de Electromagnetismo de la Facultad de Física de la Universidad de Valencia durante los cursos 1998/1999, 1999/2000 y 2000/2001

**Type of programme:** Teaching in first cycle

**End date:** 30/09/2001

**25 Type of teaching:** Official teaching

**Name of the course:** Curso de Doctorado 'Técnicas avanzadas de diseño de antenas y equipos RF para comunicaciones móviles' impartido en el Programa de Doctorado de la Universidad Politécnica de Cartagena (Cartagena, Murcia). Tema: 'Superficies Selectoras de Frecuencia. Aplicaciones en microondas y ondas milimétricas'. Duración: 10 horas

**Type of programme:** Graduate Courses - Taught

**End date:** 31/07/2001

**26 Type of teaching:** Official teaching

**Name of the course:** Prácticas de Laboratorio de Física para Bachillerato-L.O.G.S.E.: 'Ondas Mecánicas y Ondas Electromagnéticas' (Curso organizado por el Servicio de Formación Permanente y la Facultad de Física de la Universidad de Valencia). Duración: 30 horas.

**Type of programme:** Graduate Courses - Taught

**End date:** 06/07/2000

**27 Type of teaching:** Official teaching

**Name of the course:** Premio Rotary de la Facultad de Física de la Universidad de Valencia. Curso: 1998/1999. Laboratorio: Física General. Alumnos: D. Iván Martí Vidal y D. Manuel Vegara Llanes. Tutores: Benito Gimeno Martínez y Miguel Ángel Sanchis Lozano. Título de la práctica: Determinación indirecta de la velocidad de la luz en el vacío mediante un circuito resonante.

**Type of programme:** Teaching in first cycle

**End date:** 30/09/1999



## Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Análisis del efecto multipactor en guías de onda de geometría cilíndrica  
**Type of project:** Doctoral thesis  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Antonio María Pérez Pastor  
**Obtained qualification:** Excellent  
**Date of reading:** 2021
- 2** **Project title:** High Gradient Issues in S-band RF acceleration structure and Radio Frequency Quadrupoles for hadron therapy accelerators  
**Type of project:** Doctoral thesis  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Anna Vnuchenko  
**Obtained qualification:** Excellent  
**Date of reading:** 2020
- 3** **Project title:** Simulación numérica de dinámica relativista de partículas cargadas en campos electromagnéticos empleando el método de Boris (Trabajo de Fin de Grado. Curso 2019-2020)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Pablo Martín Luna  
**Obtained qualification:** Notable  
**Date of reading:** 2020
- 4** **Project title:** Estudios en el laboratorio del retardo de propagación en señales de radiofrecuencia para cavidades resonantes (Trabajo de Fin de Grado. Curso 2019-2020)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Raul Ortiz Fernández  
**Obtained qualification:** Excellent  
**Date of reading:** 2020
- 5** **Project title:** Optimización y mejora del código de análisis para el posicionamiento de roturas eléctricas en estructuras aceleradoras de alta potencia (Prácticas Externas. Curso 2019-2020)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Carlos Pastor Marcos  
**Obtained qualification:** Excellent  
**Date of reading:** 2020
- 6** **Project title:** Aplicación en la industria agroalimentaria de los ultrasonidos (Prácticas Externas. Curso 2019-2020)  
**Type of project:** Research work of 6 credits  
**Entity:** Universidad de Valencia y Universidad Politécnica de Valencia



**City of entity:** Spain  
**Student:** Raúl Ortiz Fernández  
**Obtained qualification:** Excellent  
**Date of reading:** 2020

**7** **Project title:** Numerical study of photocathode RF electron gun and dark currents with VSIM (Trabajo Fin de Máster del curso 2019-2020)  
**Type of project:** Working Master or third cycle over 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Pablo Martínez Reviriego  
**Obtained qualification:** Excellent  
**Date of reading:** 2020

**8** **Project title:** Simulaciones de la dinámica de un haz de electrones en una cavidad aceleradora de tipo fotoinyector (Trabajo Fin de Máster del curso 2018-2019)  
**Type of project:** Working Master or third cycle over 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** José Roberto Rausell Campo  
**Obtained qualification:** Excellent  
**Date of reading:** 2019

**9** **Project title:** Estudio de la emisión por efecto de campo para aplicaciones en aceleradores lineales de partículas empleados en hadronterapia (Trabajo de Fin de Grado. Curso 2018-2019)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Sergio Juanes Tébar  
**Obtained qualification:** Excellent  
**Date of reading:** 2019

**10** **Project title:** Campos creados por una partícula cargada en movimiento uniforme dentro de una guía de ondas rectangular mediante funciones de Green (Trabajo de Fin de Grado. Curso 2018-2019)  
**Type of project:** Final Degree work  
**Entity:** Universidad de Sevilla  
**City of entity:** Spain  
**Student:** Pablo Martínez Reviriego  
**Obtained qualification:** Excellent  
**Date of reading:** 2019

**11** **Project title:** Estudio de la dinámica relativista de haces de partículas para el diseño de un inyector de electrones de microondas (Beca de Colaboración. Curso 2019-2020)  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Pablo Martín Luna  
**Obtained qualification:** Suitable  
**Date of reading:** 2019



- 12** **Project title:** Analysis of the multipactor effect in microwave waveguides and transmission lines  
**Type of project:** Doctoral thesis  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Daniel González Iglesias  
**Obtained qualification:** Excellent Cum Laude and Honors  
**Date of reading:** 2017
- 13** **Project title:** Estudio bibliográfico de la intermodulación pasiva (PIM) en componentes de microondas para aplicaciones en comunicaciones espaciales (Trabajo de Fin de Grado. Curso 2016-2017)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Saray Pradas Segura  
**Obtained qualification:** Excellent  
**Date of reading:** 2017
- 14** **Project title:** Estudio de la despresurización en dispositivos de microondas para aplicaciones en dispositivos espaciales (Trabajo de Fin de Grado. Curso 2016-2017)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Miguel Soriano Amat  
**Obtained qualification:** Excellent  
**Date of reading:** 2017
- 15** **Project title:** Diseño electromagnético de un polarizador de RF para aplicaciones en aceleradores de física médica (Beca de Colaboración. Curso 2017-2018)  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** José Roberto Rausell Campo  
**Obtained qualification:** Suitable  
**Date of reading:** 2017
- 16** **Project title:** Estudio de un resonador de microondas con geometría esférica para un sistema de detección de cavidades de RF para aplicaciones médicas en aceleradores de partículas para hadronterapia (Trabajo de Fin de Grado. Curso 2017-2018)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** José Roberto Rausell Campo  
**Obtained qualification:** Excellent  
**Date of reading:** 2017
- 17** **Project title:** Estudio de la caracterización de la emisión secundaria de electrones en función del ángulo de incidencia en materiales conductores (Trabajo de Fin de Grado. Curso 2017-2018)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Jaume Meseguer Sánchez



**Obtained qualification:** Excellent  
**Date of reading:** 2017

- 18** **Project title:** Estudio de la radiación electromagnética de partículas cargadas en cavidades de microondas (Trabajo de Fin de Grado. Curso 2017-2018)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Samuel Ambrosino Tejel  
**Obtained qualification:** Notable  
**Date of reading:** 2017
- 19** **Project title:** Análisis circuital de un compresor de pulsos para aplicación en un sistema de diagnóstico de cavidades de RF para hadronterapia (Prácticas Externas. Curso 2017-2018)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** José Roberto Rausell Campo  
**Obtained qualification:** Excellent  
**Date of reading:** 2017
- 20** **Project title:** Implementación de mejoras en un software de análisis de datos para la medida del SEY y el desgasificado de los filamentos de unos sensores de presión ITR90 (Prácticas Externas. Curso 2017-2018)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Francisco Javier Aznar Palop  
**Obtained qualification:** Excellent  
**Date of reading:** 2017
- 21** **Project title:** Estudio teórico y experimental de la despresurización de dispositivos de microondas para aplicaciones en dispositivos espaciales (Trabajo Fin de Máster del curso 2017-2018)  
**Type of project:** Working Master or third cycle over 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Miguel Soriano Amat  
**Obtained qualification:** Excellent  
**Date of reading:** 2017
- 22** **Project title:** Técnicas de medida del coeficiente de emisión secundario de electrones en medios dieléctricos para sistemas de telecomunicaciones espaciales (Beca de Colaboración. Curso 2015-2016)  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** David Bañón Caballero  
**Obtained qualification:** Suitable  
**Date of reading:** 2015
- 23** **Project title:** Estudio de la caracterización de la emisión secundaria de electrones en materiales dieléctricos (Trabajo de Fin de Grado. Curso 2015-2016)  
**Type of project:** Final Degree work



**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** David Bañón Caballero  
**Obtained qualification:** Excellent  
**Date of reading:** 2015

**24** **Project title:** Estudio de un detector de axiones de materia oscura para frecuencias de microondas (Trabajo de Fin de Grado. Curso 2015-2016)

**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Cristian Cogollos Triviño  
**Obtained qualification:** Excellent  
**Date of reading:** 2015

**25** **Project title:** Análisis del proceso de evacuación de gas en dispositivos espaciales (Trabajo de Fin de Grado. Curso 2015-2016)

**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Juan Manuel Socuéllamos Chacón  
**Obtained qualification:** Excellent  
**Date of reading:** 2015

**26** **Project title:** Estudio de la Emisión Secundaria de Electrones de Platino a Altas Temperaturas para Aplicaciones Espaciales (Trabajo de Fin de Grado. Curso 2015-2016)

**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Oleg Ryzhkov  
**Obtained qualification:** Excellent  
**Date of reading:** 2015

**27** **Project title:** Puesta a punto de un nuevo equipo de análisis de emisión secundaria de electrones para aplicaciones espaciales (Prácticas Externas. Curso 2015-2016)

**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** David Bañón Caballero  
**Obtained qualification:** Excellent  
**Date of reading:** 2015

**28** **Project title:** Caracterización de un cañón de electrones para el estudio de la emisión secundaria de electrones (Prácticas Externas. Curso 2015-2016)

**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Oleg Ryzhkov  
**Obtained qualification:** Notable  
**Date of reading:** 2015





- 29** **Project title:** Sistema automático de control y adquisición de datos para un equipo de medida de emisión secundaria de electrones (Prácticas Externas. Curso 2015-2016)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Josep Gallego Grau  
**Obtained qualification:** Approved  
**Date of reading:** 2015
- 30** **Project title:** Puesta en marcha y caracterización de un cañón de electrones regulado para experimentos de multipactor (Prácticas Externas. Curso 2016-2017)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Miguel Soriano Amat  
**Obtained qualification:** Excellent  
**Date of reading:** 2015
- 31** **Project title:** Multipactor in Multicarrier Systems. Theory and Prediction  
**Type of project:** Doctoral thesis  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Segio Anza Hormigo  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2014
- 32** **Project title:** Estudio de fuentes de electrones para experimentos del efecto multipactor en sistemas de telecomunicaciones espaciales en el rango de las microondas (Beca de Colaboración. Curso 2014-2015)  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Laura Mercadé Morales  
**Obtained qualification:** Suitable  
**Date of reading:** 2014
- 33** **Project title:** Análisis y diseño de sondas de Langmuir para la detección de electrones en experimentos de multipactor para aplicaciones en comunicaciones espaciales (Prácticas Externas. Curso 2013-2014)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Jorge Sola Picabea  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2014
- 34** **Project title:** Control of Surface Roughness by Means of Electron Beam Physical Vapour Deposition of Silver Thin Films and their Secondary Emission Yield (Prácticas Externas del Master de Física Avanzada de UV-IFIC/CSIC)  
**Type of project:** Working Master or third cycle of less than 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Miguel Ángel Cuenca Suárez  
**Obtained qualification:** Excellent Cum Laude



**Date of reading:** 2014

- 35** **Project title:** Estudio de la carga de dieléctricos para la caracterización de la emisión secundaria de electrones en aplicaciones espaciales (Trabajo de Fin de Grado. Curso 2014-2015)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Laura Mercadé Morales  
**Obtained qualification:** Excellent  
**Date of reading:** 2014
- 36** **Project title:** Estudio de la carga de dieléctricos para la caracterización de la emisión secundaria de electrones en aplicaciones espaciales (Trabajo de Fin de Grado. Curso 2014-2015)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Francisco Blázquez Molina  
**Obtained qualification:** Excellent  
**Date of reading:** 2014
- 37** **Project title:** Estudio de la emisión de electrones generados por efecto fotoeléctrico en cobre. Comprobación de la ley de Fowler. (Prácticas Externas. Curso 2014-2015)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Laura Mercadé Morales  
**Obtained qualification:** Excellent  
**Date of reading:** 2014
- 38** **Project title:** Modelización de una guía de ondas para la detección de axiones cosmológicos ( Prácticas Externas. Curso 2014-2015)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Cristian Cogollos Triviño  
**Obtained qualification:** Excellent  
**Date of reading:** 2014
- 39** **Project title:** Espectroscopia de fotoelectrones emitidos por rayos X y limpieza de muestras mediante plasma de Argón. (Prácticas Externas. Curso 2014-2015)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Francisco Blázquez Molina  
**Obtained qualification:** Excellent  
**Date of reading:** 2014
- 40** **Project title:** Estudio de trayectorias de electrones procedentes de fuentes radiactivas de Sr90 y de cañones de electrones a través de metales y dieléctricos. Softwares de simulación (Prácticas Externas. Curso 2014-2015)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València



**City of entity:** Spain  
**Student:** Leticia Carrión Higuera  
**Obtained qualification:** Excellent  
**Date of reading:** 2014

- 41** **Project title:** Estudio electrostático de una cavidad esférica que contiene un objeto metálico rectangular (Prácticas Externas. Curso 2014-2015)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Miguel Ángel Báez Chorro  
**Obtained qualification:** Excellent  
**Date of reading:** 2014
- 42** **Project title:** Estudio de la interacción de axiones de materia oscura con una cavidad de microondas  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Juan Pastor Graells  
**Obtained qualification:** Excellent  
**Date of reading:** 2013
- 43** **Project title:** Analysis of wedge-shaped waveguides and design of multipactor-resistant microwave bandpass filters  
**Type of project:** Doctoral thesis  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Jaime Hueso González  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2013
- 44** **Project title:** Estudio de la intermodulación pasiva (PIM)  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Marta Martínez Rojo  
**Obtained qualification:** Excellent  
**Date of reading:** 2013
- 45** **Project title:** Caracterización morfológica de capas delgadas crecidas por deposición física de vapor por haz de electrones (Prácticas Externas)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Francisco Fabregat Esteve  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2013
- 46** **Project title:** Análisis de la Paradoja de Mansuripur (Prácticas Externas)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València



**City of entity:** Spain  
**Student:** Miguel Ángel Cuenca Suárez  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2013

**47** **Project title:** Radiación de una distribución de cargas moviéndose en el interior de una guía de ondas  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Jorge Giner Navarro  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2012

**48** **Project title:** Aplicación del Lagrangiano de Darwin al estudio del efecto multipactor en sistemas de telecomunicaciones espaciales y aceleradores de partículas  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Mario Jesús Avellaneda Sarrió  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2012

**49** **Project title:** Study of Multipactor Effect in Communication Satellites considering RF Signals Digitally Modulated (Proyecto Fin de Carrera)  
**Type of project:** Final Degree work  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** María Pilar Belloch Rodríguez  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2012

**50** **Project title:** Estudio teórico y experimental de un cañón de electrones para un sistema de medida XPS/UPS de emisión secundaria de electrones (Beca de Colaboración. Curso 2012-2013)  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Jorge Pablo Rodríguez García  
**Obtained qualification:** Suitable  
**Date of reading:** 2012

**51** **Project title:** Investigations on radio-Frequency Components and the Multipactor Phenomenon in High-Power Space Applications  
**Type of project:** Doctoral thesis  
**Entity:** Universidad Politécnica de Cartagena  
**City of entity:** Spain  
**Student:** Manuel Francisco Jiménez Nogales  
**Obtained qualification:** Suitable  
**Date of reading:** 2012



- 52** **Project title:** Radiación de una carga puntual en el interior de una guía rectangular (Prácticas Externas)  
**Type of project:** Research work of 6 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Jorge Giner Navarro  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2012
- 53** **Project title:** Una introducción al diagnóstico de plasmas mediante la sonda de Langmuir  
**Type of project:** Final Degree work  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Álvaro Torrella Rubio  
**Obtained qualification:** Excellent  
**Date of reading:** 2011
- 54** **Project title:** Estudio de la radiación electromagnética generada por un haz de partículas cargadas que se mueven en el interior de una guía de ondas (Beca de Colaboración. Curso 2011-2012)  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Jorge Giner Navarro  
**Obtained qualification:** Suitable  
**Date of reading:** 2011
- 55** **Project title:** Estudio de la generación de fotoelectrones en experimentos de multipactor en sistemas de telecomunicaciones espaciales en las bandas de microondas y ondas milimétricas (Beca de Colaboración. Curso 2011-2012)  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Mario Jesús Avellaneda Sarrió  
**Obtained qualification:** Suitable  
**Date of reading:** 2011
- 56** **Project title:** Full-Wave Analysis and Design of Passive Microwave and Millimetre-Wave Devices Based on Dielectric-Loaded Cavity Resonators (Mención de calidad: Ref. MCD 2003-00746). Premio Extraordinario de Doctorado de la Universidad Politécnica de Valencia.  
**Type of project:** Doctoral thesis  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Jordi Gil Raga  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2010
- 57** **Project title:** Analisi modale rigorosa di cavitá risonanti aventi base triangolare equilatera (Tesi di Laurea)  
**Type of project:** Bachelor thesis  
**Entity:** Università degli Studi di Perugia (Italia)  
**City of entity:** Spain  
**Student:** Davide Smacchia  
**Obtained qualification:** Excellent



**Date of reading:** 2010

- 58** **Project title:** Estudio del efecto fotoeléctrico para la generación de electrones en experimentos del efecto multipactor en sistemas de telecomunicaciones espaciales para microondas (Beca de Colaboración. Curso 2010-2011)  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Nuria Fuster Martínez  
**Obtained qualification:** Suitable  
**Date of reading:** 2010
- 59** **Project title:** Métodos avanzados de análisis modal aplicados al diseño de filtros con resonadores dieléctricos en la banda de microondas y milimétricas (Mención de calidad: Ref. MCD 2005-00365)  
**Type of project:** Doctoral thesis  
**Entity:** Universidad Politécnica de Madrid  
**City of entity:** Spain  
**Student:** Sergio Llorente Romano  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2009
- 60** **Project title:** Estudio del efecto multipactor en régimen multiportadora para aplicaciones espaciales (Proyecto Fin de Carrera)  
**Type of project:** Research work of 12 credits  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Marta S. Reglero Mangada  
**Obtained qualification:** Excellent  
**Date of reading:** 2008
- 61** **Project title:** Análisis y diseño de dispositivos pasivos de microondas y milimétricas en guía de ondas con excitación coaxial  
**Type of project:** Doctoral thesis  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Ángel A. San Blas Oltra  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2008
- 62** **Project title:** Estudio analítico de la radiación electromagnética emitida por una descarga de multipactor en una región de placas plano-paralelas  
**Type of project:** Master Thesis  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Francisco Edén Sorolla Rosario  
**Obtained qualification:** Excellent  
**Date of reading:** 2008
- 63** **Project title:** Estudio de efecto multipactor en sistemas de telecomunicaciones espaciales para microondas (Beca de Colaboración. Curso 2006-2007)  
**Type of project:** Research work of 12 credits



**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Edén Sorolla Rosario  
**Obtained qualification:** Suitable  
**Date of reading:** 2006

- 64** **Project title:** Análisis modal eficiente de guías de onda rectangulares con postes conductores (Mención de calidad: Ref. MCD 2003-00746)  
**Type of project:** Doctoral thesis  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Fermín E. Mira Pérez  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2005
- 65** **Project title:** Caracterización modal de sistemas guiadores inhomogéneos: análisis de superficies selectoras de frecuencias dieléctricas  
**Type of project:** Doctoral thesis  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Ángela Coves Soler  
**Obtained qualification:** Excellent Cum Laude  
**Date of reading:** 2004
- 66** **Project title:** Evaluación de simuladores electromagnéticos para el análisis y optimización de dispositivos pasivos de microondas (Proyecto Fin de Carrera)  
**Type of project:** Research work of 12 credits  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Jaime Hueso González  
**Obtained qualification:** Excellent  
**Date of reading:** 2002
- 67** **Project title:** Estudio de superficies selectoras de frecuencia con dieléctricos  
**Type of project:** Research work of 12 credits  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Ángela M. Coves Soler  
**Obtained qualification:** Excellent  
**Date of reading:** 2001
- 68** **Project title:** Diseño de transductores ortomodales en guía rectangular (Proyecto Fin de Carrera)  
**Type of project:** Research work of 12 credits  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Alessandra Moneris Belda  
**Obtained qualification:** Excellent  
**Date of reading:** 2001



- 69** **Project title:** Caracterización de codos circulares en guía rectangular bajo excitación multimodal (Proyecto Fin de Carrera)  
**Type of project:** Research work of 12 credits  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Ángel A. San Blas Oltra  
**Obtained qualification:** Excellent  
**Date of reading:** 2000
- 70** **Project title:** Análisis y caracterización modal de guías coaxiales cofocales elípticas (Proyecto Fin de Carrera)  
**Type of project:** Research work of 12 credits  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Juan Roque Navarro Téllez  
**Obtained qualification:** Excellent  
**Date of reading:** 1998
- 71** **Project title:** Análisis multimodal de codos circulares implementados en guía rectangular (Proyecto Fin de Carrera)  
**Type of project:** Research work of 12 credits  
**Entity:** Universidad Politécnica de Valencia  
**City of entity:** Spain  
**Student:** Esmeralda Valdés Ferrando  
**Obtained qualification:** Excellent  
**Date of reading:** 1998
- 72** **Project title:** Estudio de la difracción de un haz electromagnético a través de superficies selectoras de frecuencia  
**Type of project:** Bachelor thesis  
**Entity:** Universitat de València  
**City of entity:** Spain  
**Student:** Antonio Díez Cremades  
**Obtained qualification:** Excellent  
**Date of reading:** 1994

## Participation in conferences with talks focused on teacher training

**Name of the event:** II Jornadas de Innovación Educativa de la Universidad de Valencia

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of presentation:** 2011

Aplicación de cuestionarios de Aula Virtual en diferentes asignaturas.





## Other activities/achievements not included above

- 1** **Description of the activity:** Other teaching merits: Aula Experimenta de la Facultad de Física de la Universidad de Valencia. Impartición de 2 sesiones de Laboratorio para estudiantes de Primero y Segundo curso de Bachillerato (2010-2011).  
**End date:** 31/05/2011
- 2** **Description of the activity:** Other teaching merits: Aula Experimenta de la Facultad de Física de la Universidad de Valencia. Impartición de 2 sesiones de Laboratorio para estudiantes de Primero y Segundo curso de Bachillerato (2011-2012).  
**End date:** 31/05/2011
- 3** **Description of the activity:** Other teaching merits: Mesa Redonda titulada: 'Presentación de los estudios del Grado en Física a los estudiantes de Segundo de Bachillerato'. Impartida dentro del 40 Cursillo de Orientación a los Estudios Universitarios en el curso 2010-2011. Organizado por la Universidad CEU Cardenal Herrera (Valencia)  
**End date:** 01/02/2011
- 4** **Description of the activity:** Other teaching merits: Aula Experimenta de la Facultad de Física de la Universidad de Valencia. Impartición de 2 sesiones de Laboratorio para estudiantes de Primero y Segundo curso de Bachillerato (2009-2010).  
**End date:** 31/05/2010
- 5** **Description of the activity:** Other teaching merits: Aula Experimenta de la Facultad de Física de la Universidad de Valencia. Impartición de 2 sesiones de Laboratorio para estudiantes de Primero y Segundo curso de Bachillerato (2008-2009).  
**End date:** 19/05/2009
- 6** **Description of the activity:** Other teaching merits: Mesa Redonda titulada: 'Presentación de los estudios de la Licenciatura en Física a los estudiantes de Segundo de Bachillerato'. Impartida dentro del 38 Cursillo de Orientación a los Estudios Universitarios en el curso 2008-2009. Organizado por la Universidad CEU Cardenal Herrera (Valencia)  
**End date:** 28/01/2009
- 7** **Description of the activity:** Other teaching merits: Presentación de la práctica 'Mida usted mismo la velocidad de la luz en el vacío y ...' en la 'Semana Europea de la Ciencia y Tecnología 2000', celebrada en el CERN, Ginebra (Suiza)  
**Organising entity:** CERN  
**End date:** 10/11/2000
- 8** **Description of the activity:** Other teaching merits: Participación como Corrector del Examen de Física en las Pruebas de Acceso a la Universidad en los siguientes cursos: 1997/1998, 1998/1999, 2000/2001, 2003/2004, 2006/2007, 2007/2008, 2009/2010
- 9** **Description of the activity:** Other teaching merits: Docencia en asignaturas de Electromagnetismo, Técnicas Experimentales de Electromagnetismo, Ondas Electromagnéticas, Electrodinámica Clásica, Óptica y Física General impartidas en las siguientes titulaciones: Licenciatura en Física, Licenciatura en Química, Ingeniería Química, Ingeniería Informática, Ingeniería Técnica de Telecomunicaciones (Sistemas Electrónicos), Ingeniería Técnica de Telecomunicaciones (Telemática).



## Scientific and technological experience

### Research and development groups/teams

- 1 Name of the group:** Grupos Nacionales con los que mantengo relación: Grupo de Aplicaciones de Microondas (GAM), Universidad Politécnica de Valencia (Dr. Vicente E. Boria Esbert); Grupo de Electromagnetismo Aplicado a las Telecomunicaciones, Universidad Politécnica de Cartagena (Murcia) (Dr. Alejandro Álvarez Melcón); Departamento de Física Experimental, Instituto de Física Corpuscular IFIC-CSIC, (Dra. Ángeles Faus Golfe); Grupo de Radiación y Microondas, Universidad Miguel Hernández de Elche (Alicante) (Dra. Ángela Covas Soler y Dr. Germán Torregrosa Penalva); Grupo de Radiofrecuencia, Universidad Carlos III de Madrid (Dra. Magdalena Salazar de Palma); Grupo de Microondas, Universidad de Alicante (Dr. Stephan Marini); Grupo de Electromagnetismo de la Universidad de Sevilla (F. Mesa, R. R. Boix). (Groups with which contact is maintained)
- 2 Name of the group:** Grupos Internacionales con los que mantengo relación: Department of Electronics, Università degli Studi di Pavia, Italy (Dr. Giuseppe Conciauro, Dr. Marco Bressan, Dr. Maurizio Bozzi, Dr. Luca Perregrini, Dr. Paolo Arcioni); Laboratory of Electromagnetism and Acoustics (LEMA), École Polytechnique Fédérale de Lausanne, Switzerland (Dr. Juan R. Mosig); Physics and Electronics Laboratory, Dutch Institute for Scientific Research (FEL-TNO), Den Haag, The Netherlands (Dr. Giampiero Gerini); Technical University of Darmstadt, Germany (Dr. H.L. Hartnagel); European Space Agency ESA/ESTEC Noordwijk, The Netherlands (Mr. David Raboso), CERN (Dr. Walter Wuensch, Dr. Frank Zimmermann); Instituto Nacional de Física Nuclear de Italia, Frascati (Dr. Massimo Ferrario). (Groups with which contact is maintained)

### Scientific or technological activities

#### R&D projects funded through competitive calls of public or private entities

- 1 Name of the project:** Diseño de haloscopio para detección de axiones de materia oscura a altas frecuencia en imán BABY-IAXO y desarrollo de programa de demostradores a pequeña escala en imán CAST  
**Entity where project took place:** Universidad Politécnica de Cartagena **Type of entity:** \*\*Altres organismes  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Alejandro Díaz Morcillo  
**Nº of researchers:** 5  
**Funding entity or bodies:** Ministerio de Ciencia e Innovación **Type of entity:** \*\*Ministeris  
**City funding entity:** Madrid, Spain  
**Code according to the funding entity:** PID2019-108122GB-C33  
**Start-End date:** 01/06/2020 - 31/05/2023 **Duration:** 3 years  
**Participating entity/entities:** Universidad Politécnica de Cartagena  
**Total amount:** 122.000 €
- 2 Name of the project:** Diagnostics and Online System for a Linear INjector of Carbon 6+ ions for hadrontherapy  
**Entity where project took place:** Instituto de Física Corpuscular (IFIC), CSIC-Universitat de València **Type of entity:** \*\*Centres de Recerca  
**City of entity:** Paterna, Spain  
**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez



**Nº of researchers:** 14

**Funding entity or bodies:**

Agencia Valenciana de Innovación- AVI

**Type of entity:** \*\*Comunitats Autònomes

**City funding entity:** Valencia, Spain

**Code according to the funding entity:** INNEST/2020/123

**Start-End date:** 01/01/2020 - 31/12/2021

**Duration:** 2 years

**Participating entity/entities:** Instituto de Física Corpuscular (IFIC), CSIC-Universitat de València

**Total amount:** 302.333,55 €

**3 Name of the project:** Física de precisión a altas energías: el LHC y futuros colisionadores electrón-positrón

**Entity where project took place:** Instituto de Física Corpuscular (IFIC), CSIC-Universitat de València

**Type of entity:** \*\*Centres de Recerca

**City of entity:** Paterna, Spain

**Name principal investigator (PI, Co-PI....):** Juan Antonio Fuster Verdú

**Nº of researchers:** 5

**Funding entity or bodies:**

Consellería de Educación de la Generalitat Valenciana

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** PROMETEO 2018/060

**Start-End date:** 01/01/2018 - 31/12/2021

**Duration:** 4 years

**Participating entity/entities:** CSIC

**Total amount:** 252.960,38 €

**4 Name of the project:** Desarrollo y validación preclínica de nanoconjugados para la protonterapia del cáncer

**Entity where project took place:** Aimplas-Instituto Tecnológico del Plástico

**Type of entity:** \*\*Instituts

**City of entity:** Spain

**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez

**Nº of researchers:** 5

**Funding entity or bodies:**

Instituto de Física Corpuscular (IFIC), CSIC-Universitat de València

**Type of entity:** \*\*Centres de Recerca

**City funding entity:** Paterna, Spain

**Code according to the funding entity:** Código: PRO20-0384

**Start-End date:** 01/11/2020 - 31/12/2020

**Duration:** 2 months

**Participating entity/entities:** Instituto de Física Corpuscular (IFIC), CSIC-Universitat de València

**Total amount:** 4.840 €

**5 Name of the project:** X-Ray Free Electron Laser (XLS) - Compact Light

**Entity where project took place:** Instituto de Física Corpuscular (IFIC), CSIC-Universitat de València

**Type of entity:** \*\*Centres de Recerca

**City of entity:** Paterna, Spain

**Name principal investigator (PI, Co-PI....):** Gerardo D'Auria

**Nº of researchers:** 24

**Funding entity or bodies:**

Unión Europea

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** H2020-INFRADEV-2016-2017

**Start-End date:** 01/01/2018 - 31/12/2020

**Duration:** 3 years



**Participating entity/entities:** INFN (Istituto Nazionale de Física Nuclear), Italia  
**Total amount:** 3.000.000 €

**6 Name of the project:** Diseño y evaluación de prestaciones de dispositivos de microondas en tecnologías planar y guiada con materiales dieléctricos

**Entity where project took place:** Universidad Miguel Hernández de Elche (España) **Type of entity:** \*\*Altres organismes

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Ángela María Coves Soler y Ángel Sanblas Oltra

**Nº of researchers:** 5

**Funding entity or bodies:**

MINECO. Ministerio de Economía y Competitividad **Type of entity:** \*\*Ministeris

**City funding entity:** Spain

**Code according to the funding entity:** TEC2016-75934-C4-2-R

**Start-End date:** 01/01/2017 - 31/12/2019 **Duration:** 3 years

**Participating entity/entities:** Universidad Miguel Hernández de Elche (España)

**Total amount:** 72.000 €

**7 Name of the project:** Desarrollo de filtros paso-banda basados en cavidades de microondas para la detección de axiones

**Entity where project took place:** Universidad Politécnica de Cartagena **Type of entity:** \*\*Altres organismes

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Alejandro Díaz Morcillo

**Nº of researchers:** 5

**Funding entity or bodies:**

MINECO. Ministerio de Economía y Competitividad **Type of entity:** \*\*Ministeris

**City funding entity:** Spain

**Code according to the funding entity:** FPA2016-76978-C3-2-P

**Start-End date:** 01/01/2017 - 31/12/2019 **Duration:** 3 years

**Participating entity/entities:** Universidad Politécnica de Cartagena

**Total amount:** 95.300 €

**8 Name of the project:** Fibras Ópticas y Procesado de Señal (FOPS)

**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel V. Andrés Bou

**Nº of researchers:** 13

**Funding entity or bodies:**

Consellería de Educación de la Generalitat Valenciana **Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** PROMETEO 2009-077

**Start-End date:** 2009 - 2017 **Duration:** 8 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 546.400 €



- 9** **Name of the project:** Análisis del Efecto Multipactor y Diseño de Nuevos Dispositivos de Alta Potencia basados en Tecnología Guiada con Materiales Dieléctricos y Magnéticos  
**Entity where project took place:** Universidad Miguel Hernández de Elche (España) **Type of entity:** \*\*Altres organismes  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Ángela María Covés Soler  
**Nº of researchers:** 6  
**Funding entity or bodies:** MINECO. Ministerio de Economía y Competitividad **Type of entity:** \*\*Ministeris  
**City funding entity:** Spain  
**Code according to the funding entity:** TEC2013-47037-C5-4-R  
**Start-End date:** 01/01/2014 - 31/12/2016 **Duration:** 3 years  
**Participating entity/entities:** Universitat de València  
**Total amount:** 68.000 €
- 10** **Name of the project:** Novel Investigations in Multipactor Effect in Ferrite and Other Dielectrics used in High Power RF Space Hardware  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Valencia, Spain  
**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez  
**Nº of researchers:** 2  
**Funding entity or bodies:** ESA.- Agencia Espacial Europea **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
**Code according to the funding entity:** AO1-7551/13/NL/GLC  
**Start-End date:** 01/11/2013 - 31/12/2015 **Duration:** 2 years - 2 months  
**Participating entity/entities:** Universidad de Valencia  
**Total amount:** 29.920 €
- 11** **Name of the project:** Development of a Software Tool for the Study of RF Breakdown for Realistic Scenarios: Multicarrier and Modulated Signals  
**Entity where project took place:** VAL SPACE CONSORTIUM **Type of entity:** \*\*Centres de Recerca  
**City of entity:** Valencia, Spain  
**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez  
**Nº of researchers:** 4  
**Funding entity or bodies:** European Space Agency **Type of entity:** \*\*Centres de Recerca  
**City funding entity:** European Union institutions  
**Code according to the funding entity:** 4000111147/14/NL/GLC  
**Start-End date:** 01/06/2014 - 31/05/2015 **Duration:** 1 year  
**Participating entity/entities:** Universitat de València  
**Total amount:** 60.000 €
- 12** **Name of the project:** Ayudas de la Universitat de València para la adquisición de equipamiento científico: Analizador de espectros de alta frecuencia  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown



**Name principal investigator (PI, Co-PI....):** Miguel Andrés Bou

**Nº of researchers:** 3

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** INV\_EQ14

**Start-End date:** 16/07/2014 - 31/12/2014

**Duration:** 5 months - 16 days

**Participating entity/entities:** Universitat de València

**Total amount:** 6.969,75 €

**13 Name of the project:** Red de Excelencia ISIC: Imagen Biomédica

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** José María Benloch Baviera

**Funding entity or bodies:**

Generalitat Valenciana

**Type of entity:** \*\*Comunitats Autònomes

**City funding entity:** Spain

**Code according to the funding entity:** ISIC/2012/013

**Start-End date:** 01/01/2012 - 31/12/2014

**Duration:** 3 years

**Participating entity/entities:** Universitat de València

**Total amount:** 116.100 €

**14 Name of the project:** Red de Excelencia ISIC: Aplicaciones y Tecnologías Espaciales en la Comunidad Valenciana (SPACE-CV)

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente E. Boria Esbert

**Funding entity or bodies:**

Generalitat Valenciana

**Type of entity:** \*\*Comunitats Autònomes

**City funding entity:** Spain

**Code according to the funding entity:** ISIC/2012/11

**Start-End date:** 01/01/2012 - 31/12/2014

**Duration:** 3 years

**Participating entity/entities:** Universitat de València

**Total amount:** 116.100 €

**15 Name of the project:** Tecnologías de alta potencia en radiofrecuencia: comunicaciones espaciales y aceleradores

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente E. Boria Esbert

**Nº of researchers:** 5

**Funding entity or bodies:**

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats

**City funding entity:** VALENCIA, Spain

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Valencia, Spain



Instituto de Física Corpuscular-CSIC

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** Microcluster

**Start-End date:** 01/01/2011 - 31/12/2014

**Duration:** 4 years

**Participating entity/entities:** Universitat de València

- 16 Name of the project:** Desarrollo Tecnológico Avanzado de Dispositivos Pasivos en Tecnología Guiada para Cargas Útiles de Satélites

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Valencia, Spain

**Name principal investigator (PI, Co-PI....):** Vicente E. Boria Esbert

**Nº of researchers:** 15

**Funding entity or bodies:**

Proyecto de investigación y desarrollo tecnológico programas nacionales. Plan nacional I+D-CICYT

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** TEC2010-21520-C04-01/TCM

**Start-End date:** 01/01/2011 - 31/12/2013

**Duration:** 3 years

**Participating entity/entities:** UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Total amount:** 199.100 €

- 17 Name of the project:** Promoción a la Investigación de los Parques Científicos de la Universidades (Equipamiento e Infraestructura): Laboratorio para el Desarrollo y Medida de Estructuras de RF de Alto Gradiente, Alta Potencia y Alta Frecuencia: Amplificador tipo Tubo Klystron

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martinez

**Funding entity or bodies:**

Generalitat Valenciana

**Type of entity:** \*\*Comunitats Autònomes

**City funding entity:** Spain

**Code according to the funding entity:** PPC/2012/044

**Start-End date:** 01/01/2012 - 31/12/2012

**Duration:** 1 year

**Participating entity/entities:** Universitat de València

**Total amount:** 29.122,2 €

- 18 Name of the project:** Evaluation and Validation of Electromagnetic Software, Test Facilities and Test Standards in Europe to Predict and Test RF Breakdown and Passive Intermodulation (PIM) (EVEREST)

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez

**Nº of researchers:** 36

**Funding entity or bodies:**

Centre Nationale D'Études Spatiales (CNES)

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

ESA.- Agencia Espacial Europea

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown



Universitat de València

**City funding entity:** Valencia, Spain

**Type of entity:** \*\*Universitats

Thales Alenia Space Germany

**City funding entity:** Unknown

**Type of entity:** \*\*Altres organismes

COMDEV UK

**City funding entity:** Unknown

**Type of entity:** \*\*Altres organismes

**Code according to the funding entity:** ESTEC AO/1-5568/07/NL/GLC

**Start-End date:** 2008 - 2012

**Duration:** 4 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 19.500 €

**19 Name of the project:** Multipactor Analysis in Planar Transmission Lines (ESTEC/Contract No. 20841/08/NL/GLC)

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI...):** Alejandro Álvarez Melcón

**Nº of researchers:** 4

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Valencia, Spain

Universidad Politécnica de Cartagena

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

ESA.- Agencia Espacial Europea

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** ESTEC No.20841/08/NL/GLC

**Start-End date:** 2009 - 2011

**Duration:** 2 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 27.000 €

**20 Name of the project:** Grupo Consolidado de Innovación Docente: Grupo de Aplicación de Cuestionarios (GAQ). Proyecto del Vicerectorado de Convergencia Europea y Calidad de la Universitat de València. Nombre del Grupo: GCID53/2009. Grupo registrado en el Registro de Iniciativas de Innovación Educativa de la Universidad de Valencia.

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI...):** María del Carmen Martínez Tomás

**Nº of researchers:** 12

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Valencia, Spain

**Code according to the funding entity:** 67/FO/37/2010

**Start-End date:** 2009 - 2011

**Duration:** 2 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 400 €





**21 Name of the project:** Study of high order modes and fringing fields in multipactor effect  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Jordi Gil Raga  
**Nº of researchers:** 11  
**Funding entity or bodies:**  
European Space Agency **Type of entity:** \*\*Centres de Recerca  
**City funding entity:** European Union institutions  
Aurora Software and Testing, S.L. **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
Radiación y Microondas, S.A. (Madrid) **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
**Code according to the funding entity:** ESA AO/1-5918/08/NL/GLC  
**Start-End date:** 2009 - 2011 **Duration:** 2 years - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 275.000 €

**22 Name of the project:** Ku-Band OMUX 500 Watt per Channel  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Franz-Josef Görtz  
**Nº of researchers:** 15  
**Funding entity or bodies:**  
European Space Agency **Type of entity:** \*\*Centres de Recerca  
**City funding entity:** European Union institutions  
TESAT Spacecom GmbH & Co.KG (Backnang, Germany) **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
Aurora Software and Testing, S.L. **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
**Code according to the funding entity:** ESA AO/1-5559/07/NL/GLC  
**Start-End date:** 2009 - 2011 **Duration:** 2 years - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 500.000 €

**23 Name of the project:** 11-12 GHz Multi Carrier Test System  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Hans van der Sluis  
**Nº of researchers:** 8  
**Funding entity or bodies:**  
European Space Agency **Type of entity:** \*\*Centres de Recerca  
**City funding entity:** European Union institutions  
emv Benelux B.V.(Hazerswoude Dorp, The Netherlands) **Type of entity:** \*\*Altres organismes



**City funding entity:** Unknown

Aurora Software and Testing, S.L.

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** ESA AO/1-5886/08/NL/GLC

**Start-End date:** 2009 - 2010

**Duration:** 1 year - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 90.000 €

- 24 Name of the project:** Proyecto de Innovación Docente en el marco de la Convocatoria Anual de Innovación Educativa Europea de la Facultad de Física de la Universitat de València en: Cursos 2007/2008, 2008/2009, 2009/2010; asignatura: Electromagnetismo (Troncal de Tercer Curso de la Licenciatura en Física); Participación: Profesor Responsable. Curso 2008/2009: asignatura: Técnicas Experimentales de Electromagnetismo (Obligatoria de Tercer Curso de la Licenciatura en Física); Participación: Profesor Responsable

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez

**Nº of researchers:** 15

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Valencia, Spain

**Start-End date:** 2007 - 2010

**Duration:** 3 years - 1 day

**Participating entity/entities:** Universitat de València

- 25 Name of the project:** Nuevas topologías compactas de filtros y multiplexores en guía de ondas para aplicaciones espaciales

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente E. Boria Esbert

**Nº of researchers:** 18

**Funding entity or bodies:**

Universidad Miguel Hernandez

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Universidad de Alicante

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Centro Tecnológico Telecomunicaciones Cataluña

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats

**City funding entity:** VALENCIA, Spain

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** TEC2007-67630-C03-01

**Start-End date:** 2007 - 2009

**Duration:** 2 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 262.570 €



- 26 Name of the project:** RF Breakdown in Multicarrier Systems  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI...):** Benito Gimeno Martínez  
**Nº of researchers:** 4  
**Funding entity or bodies:**  
European Space Agency **Type of entity:** \*\*Centres de Recerca  
**City funding entity:** European Union institutions  
Aurora Software and Testing, S.L. **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
UNIVERSIDAD POLITÉCNICA DE VALENCIA **Type of entity:** \*\*Universitats  
**City funding entity:** VALENCIA, Spain  
École Polytechnique Fédérale de Lausanne. (Suïssa) **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
Tesat-Spacecom GmbH & Co. KG, (Backnang, Germany) **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
**Code according to the funding entity:** ESA AO/1-4978/05/NL/GLC  
**Start-End date:** 2006 - 2009 **Duration:** 3 years - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 43.194,92 €
- 27 Name of the project:** New Investigations of RF Breakdown in Microwave Transmission Lines  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI...):** Jordi Gil Raga  
**Nº of researchers:** 15  
**Funding entity or bodies:**  
European Space Agency **Type of entity:** \*\*Centres de Recerca  
**City funding entity:** European Union institutions  
Aurora Software and Testing, S.L. **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
Universidad Politécnica de Cartagena **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
Radiación y Microondas, S.A. (Madrid) **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
École Polytechnique Fédérale de Lausanne. (Suïssa) **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
**Code according to the funding entity:** ESA AO/1-5086/06/NL/GLC  
**Start-End date:** 2006 - 2009 **Duration:** 3 years - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 250.000 €



**28 Name of the project:** Laboratorio de Fibras Ópticas. Red Valenciana de Investigación Vinculada (REVIV)  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Miguel V. Andrés Bou  
**Nº of researchers:** 12  
**Funding entity or bodies:** CONSELLERIA DE EMPRESA, UNIVERSIDAD Y CIENCIA DIRECCION GENERAL DE INVESTIGACION Y TRANSFERENCIA TECNOLOGICA. **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
**Code according to the funding entity:** GVARVIV2007-004  
**Start-End date:** 2007 - 2008 **Duration:** 1 year - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 22.000 €

**29 Name of the project:** FEST 3D Distribution  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Jordi Gil Raga  
**Nº of researchers:** 10  
**Funding entity or bodies:** ITLink (Italy) **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
Aurora Software and Testing, S.L. **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
European Space Agency **Type of entity:** \*\*Centres de Recerca  
**City funding entity:** European Union institutions  
École Polytechnique Fédérale de Lausanne. (Suïssa) **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
**Code according to the funding entity:** ESA AO/1-4863/05/NL/LvH  
**Start-End date:** 2006 - 2008 **Duration:** 2 years - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 75.000 €

**30 Name of the project:** Modelización de dispositivos de fibra óptica de cristal fotónico  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Enrique Silvestre Mora  
**Nº of researchers:** 6  
**Funding entity or bodies:** Universidad Miguel Hernandez **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
Universidad de Alicante **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown



Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** TEC2005-07336-C02-02

**Start-End date:** 2005 - 2008

**Duration:** 3 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 29.000 €

**31 Name of the project:** Desarrollo de nuevos circuitos y antenas en tecnología impresa y guiada mediante técnicas numéricas de resolución de ecuaciones integro-diferenciales

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Alejandro Álvarez Melcón

**Nº of researchers:** 9

**Funding entity or bodies:**

Universidad Miguel Hernandez

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats

**City funding entity:** VALENCIA, Spain

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

Universitat Politècnica de Cartagena

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** TEC2004-04313-C02-02

**Start-End date:** 2004 - 2007

**Duration:** 3 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 77.200 €

**32 Name of the project:** Adquisición de equipamiento científico. Osciloscopio de frecuencia modular. Sistema completo de contaje (de hasta muy pocos) fotones mediante correlación temporal

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** José Luis Cruz Muñoz

**Nº of researchers:** 4

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** UV-EQUIP-05-28

**Start-End date:** 2005 - 2005

**Duration:** 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 41.502,64 €

**33 Name of the project:** Interacción acusto-óptica en fibras de cristal fotónico

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Antonio Díez Cremades

**Nº of researchers:** 7

**Funding entity or bodies:**

Generalitat Valenciana

**Type of entity:** \*\*Comunitats Autònomes**City funding entity:** Spain**Code according to the funding entity:** GV04A-103**Start-End date:** 2004 - 2005**Duration:** 1 year - 1 day**Participating entity/entities:** Universitat de València**Total amount:** 16.100 €**34 Name of the project:** Análisis y diseño eficiente de filtros con resonadores dieléctricos para comunicaciones espaciales**Entity where project took place:** Universitat de València**Type of entity:** \*\*Universitats**City of entity:** Unknown**Name principal investigator (PI, Co-PI....):** Héctor Esteban González**Nº of researchers:** 8**Funding entity or bodies:**

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats**City funding entity:** VALENCIA, Spain

Universitat de València

**Type of entity:** \*\*Universitats**City funding entity:** Unknown**Code according to the funding entity:** GV04A-491**Start-End date:** 2004 - 2005**Duration:** 1 year - 1 day**Participating entity/entities:** Universitat de València**Total amount:** 10.203 €**35 Name of the project:** Predicción de efectos de descarga (multipactor) en componentes pasivos de microondas y aplicaciones al diseño de filtros óptimos para sistemas espaciales**Entity where project took place:** Universitat de València**Type of entity:** \*\*Universitats**City of entity:** Unknown**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez**Nº of researchers:** 4**Funding entity or bodies:**

Generalitat Valenciana

**Type of entity:** \*\*Comunitats Autònomes**City funding entity:** Spain**Code according to the funding entity:** IIARCO/2004/20**Start-End date:** 2004 - 2005**Duration:** 1 year - 1 day**Participating entity/entities:** Universitat de València**Total amount:** 7.208,06 €**36 Name of the project:** Fotónica y Procesado de Señal**Entity where project took place:** Universitat de València**Type of entity:** \*\*Universitats**City of entity:** Unknown**Name principal investigator (PI, Co-PI....):** Pedro Andrés Bou**Nº of researchers:** 30**Funding entity or bodies:**

Universidad de Alicante

**Type of entity:** \*\*Altres organismes**City funding entity:** Unknown



Universitat Jaume I de Castelló  
**City funding entity:** Unknown

**Type of entity:** \*\*Altres organismes

UNIVERSIDAD POLITÉCNICA DE VALENCIA  
**City funding entity:** VALENCIA, Spain

**Type of entity:** \*\*Universitats

Universitat de València  
**City funding entity:** Unknown

**Type of entity:** \*\*Universitats

Universidad Miguel Hernandez  
**City funding entity:** Unknown

**Type of entity:** \*\*Altres organismes

**Code according to the funding entity:** GRUPOS03/227

**Start-End date:** 2003 - 2005

**Duration:** 2 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 96.480,96 €

**37 Name of the project:** CAD Tools for Passive Microwave Components (PCMT)

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez

**Nº of researchers:** 15

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

European Space Agency

**Type of entity:** \*\*Centres de Recerca

**City funding entity:** European Union institutions

ITLink

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** AO/1-3889/01/NL/JA

**Start-End date:** 2002 - 2005

**Duration:** 3 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 13.542 €

**38 Name of the project:** Fabricación y aplicaciones de fibras de cristal fotónico y redes de Bragg grabadas en fibra

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel V. Andrés Bou

**Nº of researchers:** 7

**Funding entity or bodies:**

FEDER

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** TIC2002-04527-C02-01

**Start-End date:** 2002 - 2005

**Duration:** 3 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 142.050 €



- 39** **Name of the project:** Compensación de la dispersión cromática mediante fibras microestructuradas en sistemas de comunicaciones ópticas  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Miguel Andrés Bou  
**Nº of researchers:** 9  
**Funding entity or bodies:** Universitat de València **Type of entity:** \*\*Universitats  
**City funding entity:** Unknown  
**Code according to the funding entity:** CTIDIB/2002/242  
**Start-End date:** 2002 - 2003 **Duration:** 1 year - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 25.098,94 €
- 40** **Name of the project:** Diseño, fabricación y montaje de componentes y sistemas de fibra óptica  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Miguel V. Andrés Bou  
**Nº of researchers:** 7  
**Funding entity or bodies:** Electrotécnica Artech, S.A. **Type of entity:** \*\*Altres organismes  
**City funding entity:** Unknown  
Universitat de València **Type of entity:** \*\*Universitats  
**City funding entity:** Unknown  
**Code according to the funding entity:** TIC2001-2895-C02-01  
**Start-End date:** 2002 - 2003 **Duration:** 1 year - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 20.000 €
- 41** **Name of the project:** Sensores de fibras ópticas y fibras ópticas de cristal fotónico  
**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats  
**City of entity:** Unknown  
**Name principal investigator (PI, Co-PI....):** Miguel V. Andrés Bou  
**Nº of researchers:** 13  
**Funding entity or bodies:** Agencia Española de Cooperación Internacional **Type of entity:** \*\*Administracions Públiques  
**City funding entity:** Spain  
**Code according to the funding entity:** AECI2001-IB-02  
**Start-End date:** 2001 - 2003 **Duration:** 2 years - 1 day  
**Participating entity/entities:** Universitat de València  
**Total amount:** 6.010,12 €
- 42** **Name of the project:** Millimeter-Wave and Microwave Components Design Framework for Ground and Space Multimedia Network (MMCODEF). RTN project funded by the European Commission (V Framework Programme).  
**Type of entity:** \*\*Universitats





**Entity where project took place:** Universitat de València

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Bruno Casali

**Nº of researchers:** 45

**Funding entity or bodies:**

European Commission (V Framework Programme) **Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Ingegneria di Sistemi (IDS)

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** HPRN-CT-2000-00043

**Start-End date:** 2001 - 2003

**Duration:** 2 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 1.329.708,03 €

- 43 Name of the project:** Análisis y diseño de nuevos dispositivos de microondas para aplicaciones espaciales (ADIMAPE). Caracterización numérica de dieléctricos de forma arbitraria para el análisis y diseño de circuitos y antenas empleados en aplicaciones espaciales (CADACAE)

**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Alejandro Álvarez Melcón

**Nº of researchers:** 5

**Funding entity or bodies:**

Universidad Politécnica de Cartagena **Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** PNE-028/2001-C-01

**Start-End date:** 2001 - 2003

**Duration:** 2 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 57.418,29 €

- 44 Name of the project:** Técnicas avanzadas de análisis y diseño de componentes en tecnología impresa

**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez

**Nº of researchers:** 4

**Funding entity or bodies:**

Universidad Politécnica de Cartagena **Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

FEDER

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown



**Code according to the funding entity:** TIC2000-0591-C03-03

**Start-End date:** 2000 - 2003

**Duration:** 3 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 67.613,86 €

**45 Name of the project:** European Microwave Photonics Tecchnology Institute for Communications (EMPHATIC)

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel Andrés Bou

**Nº of researchers:** 11

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats

**City funding entity:** VALENCIA, Spain

**Code according to the funding entity:** CTGCA/2002/03/05

**Start-End date:** 2002 - 2002

**Duration:** 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 17.960 €

**46 Name of the project:** Grupo de investigación de guías de ondas y fibras ópticas

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel Andrés Bou

**Nº of researchers:** 14

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats

**City funding entity:** VALENCIA, Spain

Universitat Jaume I de Castelló

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** GR01-141

**Start-End date:** 2001 - 2001

**Duration:** 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 3.305,57 €

**47 Name of the project:** Tecnología de comunicaciones y procesamiento óptico de señal

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel Andrés Bou

**Nº of researchers:** 33

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown



UNIVERSIDAD POLITÉCNICA DE VALENCIA  
**City funding entity:** VALENCIA, Spain

**Type of entity:** \*\*Universitats

Universitat Jaume I de Castelló  
**City funding entity:** Unknown

**Type of entity:** \*\*Altres organismes

**Code according to the funding entity:** XT2001-12  
**Start-End date:** 2001 - 2001  
**Participating entity/entities:** Universitat de València  
**Total amount:** 3.005,06 €

**Duration:** 1 day

**48 Name of the project:** Guías de ondas y fibras ópticas

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel Andrés Bou

**Nº of researchers:** 9

**Funding entity or bodies:**

Universitat Jaume I de Castelló

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

UNIVERSIDAD POLITÉCNICA DE VALENCIA  
**City funding entity:** VALENCIA, Spain

**Type of entity:** \*\*Universitats

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** GR00-67  
**Start-End date:** 2000 - 2000  
**Participating entity/entities:** Universitat de València  
**Total amount:** 9.015,18 €

**Duration:** 1 day

**49 Name of the project:** Dispositivos y sistemas de fibra óptica: Procesadores ópticos de señal y sensores

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel V. Andrés Bou

**Nº of researchers:** 4

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** TIC97-1153  
**Start-End date:** 1997 - 2000  
**Participating entity/entities:** Universitat de València  
**Total amount:** 70.318,42 €

**Duration:** 3 years - 1 day

**50 Name of the project:** Estudio de las propiedades electrónicas de dendrímeros ópticamente activos

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Raúl Crespo Crespo

**Nº of researchers:** 3

**Funding entity or bodies:**



Universitat de València

**City funding entity:** Unknown

**Type of entity:** \*\*Universitats

**Code according to the funding entity:** UV97-2218

**Start-End date:** 1997 - 1998

**Duration:** 1 year - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 10.217,21 €

**51 Name of the project:** Modernización y mejora de una cámara anecoica para medida de antenas

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente Such Belenguer

**Nº of researchers:** 5

**Funding entity or bodies:**

Plan Nacional I+D.

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** IN96-0263

**Start-End date:** 1996 - 1997

**Duration:** 1 year - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 42.070,85 €

**52 Name of the project:** Modernización y mejora de una cámara anecoica para medida de antenas

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente Such Belenguer

**Nº of researchers:** 5

**Funding entity or bodies:**

Generalitat Valenciana, Programa I+D

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** INF-CN-96-05-018

**Start-End date:** 1996 - 1997

**Duration:** 1 year - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 42.070,85 €

**53 Name of the project:** Dispositivos de fibra óptica

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel V. Andrés Bou

**Nº of researchers:** 4

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** TIC93-1203

**Start-End date:** 1992 - 1995

**Duration:** 3 years - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 48.080,97 €



**54** **Name of the project:** Cámara de Faraday, cámara anecoica (material absorbente de 40 a 50 dB), subsistema de antena sondeador.

**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente Such Belenguer

**Nº of researchers:** 5

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** 116

**Start-End date:** 1990 - 1991

**Duration:** 1 year - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 69.116,39 €

**55** **Name of the project:** Antenas y arrays activos para futuras comunicaciones terrestres y vía satélite

**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente Such Belenguer

**Nº of researchers:** 5

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** PTR89-0195

**Start-End date:** 1990 - 1991

**Duration:** 1 year - 1 day

**Participating entity/entities:** Universitat de València

**Total amount:** 97.688,51 €

**56** **Name of the project:** Antennae in the 90's: Active array antennae for future satellite and terrestrial communications

**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente Such Belenguer

**Nº of researchers:** 5

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

Unión Europea

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** COST 223

**Start-End date:** 1989 - 1991

**Duration:** 2 years - 1 day

**Participating entity/entities:** Universitat de València

**57** **Name of the project:** Sistema de medidas de antenas de microondas

**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente Such Belenguer

**Nº of researchers:** 5**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats**City funding entity:** Unknown**Code according to the funding entity:** 101**Start-End date:** 1990 - 1990**Duration:** 1 day**Participating entity/entities:** Universitat de València**Total amount:** 48.080,96 €**R&D non-competitive contracts, agreements or projects with public or private entities****1 Name of the project:** Herramientas (CAD) para el diseño y desarrollo de nuevos equipos de comunicaciones por satélite (CADVANCE)**Degree of contribution:** Coordinator of total project, network or consortium**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats**City of entity:** Unknown**Name principal investigator (PI, Co-PI....):** Benito Gimeno Martínez**Nº of researchers:** 1**Participating entity/entities:** Universitat de València**Funding entity or bodies:**

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats**City funding entity:** VALENCIA, Spain

Centro para el Desarrollo Tecnológico Industrial (CDTI)

**Type of entity:** \*\*Ministeris**City funding entity:** Madrid, Spain

Aurora Software and Testing, S.L.

**Type of entity:** \*\*Altres organismes**City funding entity:** Unknown

Universitat de València

**Type of entity:** \*\*Universitats**City funding entity:** Valencia, Spain**Code according to the funding entity:** IDI-20080753**Start date:** 2009**Duration:** 1 year - 1 day**Total amount:** 34.800 €**2 Name of the project:** Herramienta de análisis y diseño de filtros en tecnología guiada con resonadores en configuración comb-line**Degree of contribution:** Researcher**Entity where project took place:** Universitat de València **Type of entity:** \*\*Universitats**City of entity:** Unknown**Name principal investigator (PI, Co-PI....):** Vicente E. Boria Esbert**Nº of researchers:** 4**Participating entity/entities:** Universitat de València**Funding entity or bodies:**

Alcatel Alenia Space España, S.A. (Tres Cantos, Madrid)

**Type of entity:** \*\*Altres organismes**City funding entity:** Unknown

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats



**City funding entity:** VALENCIA, Spain

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** AAS-UPV/0F221/05.011

**Start date:** 2005

**Duration:** 2 years - 1 day

**Total amount:** 48.720 €

**3 Name of the project:** Automatización del diseño de filtros

**Degree of contribution:** Researcher

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente E. Boria Esbert

**N° of researchers:** 4

**Participating entity/entities:** Universitat de València

**Funding entity or bodies:**

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats

**City funding entity:** VALENCIA, Spain

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

Alcatel Espacio España, S.A. (Tres Cantos, Madrid)

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

**Code according to the funding entity:** AEO/UPV/01.3005

**Start date:** 2001

**Duration:** 2 years - 1 day

**Total amount:** 20.915 €

**4 Name of the project:** Analysis of H- and E-plane T-junctions in rectangular waveguide with rounded corners and applications

**Degree of contribution:** Researcher

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente E. Boria Esbert

**N° of researchers:** 3

**Participating entity/entities:** UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Funding entity or bodies:**

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

UNIVERSIDAD POLITÉCNICA DE VALENCIA

**Type of entity:** \*\*Universitats

**City funding entity:** VALENCIA, Spain

European Space Agency

**Type of entity:** \*\*Centres de Recerca

**City funding entity:** European Union institutions

**Code according to the funding entity:** 12870/98/NL/MV

**Start date:** 1998

**Duration:** 1 year - 1 day

**Total amount:** 14.424,29 €



**5** **Name of the project:** Desarrollo de sensores de fibra óptica. Sensores de fibra óptica para la medida de la corriente y el voltaje en tendidos eléctricos de alta tensión. Diseño, fabricación y montaje de componentes y sistemas de fibra óptica

**Degree of contribution:** Researcher

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Miguel V. Andrés Bou

**Nº of researchers:** 8

**Participating entity/entities:** Universitat de València

**Funding entity or bodies:**

Iberdrola

**Type of entity:** \*\*Energia

**City funding entity:** Spain

FEDER

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Electrotécnica Artech, S.A.

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Code according to the funding entity:** 1FD97-0684

**Start date:** 1998

**Duration:** 7 years - 1 day

**Total amount:** 94.659,4 €

**6** **Name of the project:** Estudio de algunos elementos de una antena multihaz en las bandas C-X-Ku

**Degree of contribution:** Researcher

**Entity where project took place:** Universitat de València

**Type of entity:** \*\*Universitats

**City of entity:** Unknown

**Name principal investigator (PI, Co-PI....):** Vicente Such Belenguer

**Nº of researchers:** 5

**Participating entity/entities:** Universitat de València

**Funding entity or bodies:**

Radiación y Microondas, S.A. (Madrid)

**Type of entity:** \*\*Altres organismes

**City funding entity:** Unknown

Universitat de València

**Type of entity:** \*\*Universitats

**City funding entity:** Unknown

**Start date:** 1987

**Duration:** 5 years - 1 day

**Total amount:** 147.035,43 €





## Results

### Industrial and intellectual property

**Title registered industrial property:** Alternative implementation for dual-mode filters in circular waveguide

**Type of industrial property:** Patent of invention

**Inventors/authors/obtainers:** Marco Guglielmi, Benito Gimeno

**Entity holder of rights:** ESAG - European Space Agency

**Country of inscription:** European Union institutions

**Date of register:** 1996

**Conferral date:** 1996

**N° of patent:** 9606337

**EU patent:** Yes

**Operating aut.region/region:** United States of America / Canada

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1** D. González-Iglesias; D. Esperante; B. Gimeno; M. Boronat; C. Blanch; N. Fuster-Martínez; P. Martínez-Reviriego; P. Martín-Luna; J. Fuster. Analytical RF Pulse Heating Analysis for High Gradient Accelerating Structures. 901359 - IEEE Transactions on Nuclear Science. 68 - 2, pp. 78 - 91. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2021. ISSN 0018-9499  
**DOI:** <https://doi.org/10.1109/TNS.2021.3049319>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3  
**Total no. authors:** 9
- 2** A. Álvarez Melcón; S. Arguedas Cuendis; C. Cogollos; A. Díaz-Morcillo; B. Döbrich; J. D. Gallego; J. M. García Barceló; B. Gimeno; J. Golm; I. G. Irastorza; A. J. Lozano-Guerrero; C. Malbrunot; A. Millar; P. Navarro; C. Peña Garay; J. Redondo; W. Wuensch. Scalable haloscopes for axion dark matter detection in the 30 micro-eV range with RADES. 910668 - The Journal of high energy physics. 084, pp. 1 - 28. (Italy): Società italiana di fisica, 2020. ISSN 1126-6708  
**DOI:** [https://doi.org/10.1007/JHEP07\(2020\)084](https://doi.org/10.1007/JHEP07(2020)084)  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 8  
**Total no. authors:** 17
- 3** A. Vnuchenko; D. Esperante Pereira; B. Gimeno Martinez; S. Benedetti; N. Catalan Lasheras; M. Garlasch; A. Grudiev; G. McMonagle; S. Pitman; I. Syratchev; M. Timmins; R. Wegner; B. Woolley; W. Wuensch; A. Faus Golfe. High-gradient testing of an S-band, normal-conducting low phase velocity accelerating structure. 918620 - Physical Review Accelerators And Beams. 23, (United States of America): 2020. ISSN 2469-9888  
**DOI:** <https://doi.org/10.1103/PhysRevAccelBeams.23.084801>  
**Type of production:** Scientific paper **Format:** Journal



**Position of signature:** 3

**Total no. authors:** 15

- 4** Xue Zhang; Yuting Xiao; Benito Gimeno. Multipactor Suppression by a Resonant Static Magnetic Field on a Dielectric Surface. 903276 - IEEE Transactions on Electron Devices. 67 - 12, pp. 5723 - 5728. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2020. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2020.3027271>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 3

- 5** Andrés Berenguer; Ángela Coves; Francisco Mesa; Enrique Bronchalo; Benito Gimeno. Analysis of Multipactor Effect in a Partially Dielectric-Loaded Rectangular Waveguide. 903357 - IEEE Transactions on Plasma Science. 47 - 1, pp. 259 - 265. (United States of America): 2019. ISSN 0093-3813

**DOI:** <https://doi.org/10.1109/TPS.2018.2880652>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 5

**Total no. authors:** 5

**Impact source:** ISI

**Category:** PHYSICS, FLUIDS & PLASMAS

**Impact index in year of publication:** 1,309

**Journal in the top 25%:** No

**Position of publication:** 24

**No. of journals in the cat.:** 34

- 6** Joaquín Vague; Juan Carlos Melgarejo; Vicente E. Boria; Marco Guglielmi; Rocio Moreno; Marta Reglero; Rafael Mata; Isabel Montero; Daniel González-Iglesias; Benito Gimeno; Álvaro Gómez; Ángel Vegas; David Raboso. Experimental Validation of Multipactor Effect for Ferrite Materials Used in L- and S-Band Nonreciprocal Microwave Components. 901358 - IEEE Transactions on Microwave Theory and Techniques. 67 - 6, pp. 2151 - 2161. (United States of America): 2019. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2019.2915546>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 10

**Total no. authors:** 13

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 3,413

**Journal in the top 25%:** No

**Position of publication:** 70

**No. of journals in the cat.:** 266

- 7** Andrés Berenguer; Ángela Coves; Benito Gimeno; Enrique Bronchalo; Vicente E. Boria. Experimental Study of the Multipactor Effect in a Partially Dielectric-Loaded Rectangular Waveguide. 910869 - IEEE Microwave and Wireless Components Letters. 29 - 9, pp. 595 - 597. (United States of America): 2019. ISSN 1531-1309

**DOI:** <https://doi.org/10.1109/LMWC.2019.2929488>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 5

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 2,310

**Journal in the top 25%:** No

**Position of publication:** 130

**No. of journals in the cat.:** 266

- 8** Xue Zhang; Chao Chang; Benito Gimeno. Multipactor Analysis in Circular Waveguides Excited by TM<sub>01</sub> Mode. 903276 - IEEE Transactions on Electron Devices. 66 - 11, pp. 4943 - 4951. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2019. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2019.2941594>

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 3

**Impact source:** ISI

**Impact index in year of publication:** 2.913

**Position of publication:** 100

**Impact source:** ISI

**Impact index in year of publication:** 2.913

**Position of publication:** 53

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 266

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** No

**No. of journals in the cat.:** 154

- 9** Vladimir E. Semenov; Elena I. Rakova; Edén Sorolla; Daniel González-Iglesias; Óscar Monerris; Benito Gimeno; Jerome Puech; Jacques B. Sombrin. Enhancement of the Multipactor Threshold Inside Nonrectangular Iris. 903276 - IEEE Transactions on Electron Devices. 65 - 3, pp. 1164 - 1171. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2018. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2018.2798538>

**Type of production:** Scientific paper

**Position of signature:** 6

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 2.704

**Position of publication:** 112

**Impact source:** ISI

**Impact index in year of publication:** 2.704

**Position of publication:** 52

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 265

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** No

**No. of journals in the cat.:** 148

- 10** David Bañón-Caballero; Juan M. Socuéllamos; Rafael Mata; Laura Mercadé; Benito Gimeno; Vicente E. Boria; David Raboso; Vladimir E. Semenov; Elena I. Rakova; Juan F. Sánchez-Royo; Alfredo Segura. Study of the Secondary Electron Yield in Dielectrics Using Equivalent Circuitual Models. 903357 - IEEE Transactions on Plasma Science. 46 - 4, pp. 859 - 867. (United States of America): 2018. ISSN 0093-3813

**DOI:** <https://doi.org/10.1109/TPS.2018.2809602>

**Type of production:** Scientific paper

**Position of signature:** 5

**Total no. authors:** 11

**Impact source:** ISI

**Impact index in year of publication:** 1.325

**Position of publication:** 25

**Format:** Journal

**Category:** PHYSICS, FLUIDS & PLASMAS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 32

- 11** Alejandro Álvarez Melcón; Sergio Arguedas Cuendis; Cristian Cogollos; Alejandro Díaz-Morcillo; Babette Döbrich; Juan Daniel Gallego; Benito Gimeno; Igor G. Irastorza; Antonio José Lozano-Guerrero; Chloé Malbrunot; Pablo Navarro; Carlos Peña Garay; Javier Redondo; Theodoros Vafeiadis; Walter Wuensch. Axion searches with microwave filters: the RADES project. 912955 - Journal Of Cosmology And Astroparticle Physics. 2018 - 05, pp. 1 - 25. (United Kingdom): 2018. ISSN 1475-7516

**DOI:** <https://doi.org/10.1088/1475-7516/2018/05/040>

**Type of production:** Scientific paper

**Position of signature:** 7

**Total no. authors:** 15

**Format:** Journal



**Impact source:** ISI  
**Impact index in year of publication:** 5.524  
**Position of publication:** 13

**Category:** ASTRONOMY & ASTROPHYSICS  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 69

**Impact source:** ISI  
**Impact index in year of publication:** 5.524  
**Position of publication:** 6

**Category:** PHYSICS, PARTICLES & FIELDS  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 29

- 12** J. Vague; J. C. Melgarejo; M. Guglielmi; Vicente E. Boria; S. Anza; C. Vicente; M. Rocio Moreno; Mária Taroncher; Benito Gimeno Martínez; David Raboso. Multipactor Effect Characterization of Dielectric Materials for Space Applications. 901358 - IEEE Transactions on Microwave Theory and Techniques. 66 - 8, pp. 3644 - 3655. (United States of America): 2018. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2018.2845869>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 9

**Total no. authors:** 10

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 3.756

**Journal in the top 25%:** Yes

**Position of publication:** 61

**No. of journals in the cat.:** 265

- 13** D. Esperante; C. Blanch; M. Boronat; J. Fuster; D. Gonzalez Iglesias; A. Vnuchenko; B. Gimeno; N. Catalan Lasheras; G. Mcmonagle; I. Syrathev; W. Wuensch; B. Woolley; A. Faus Golfe. Construction and commissioning of the S-Band high gradient RF laboratory at IFIC. 311195 - J. Phys.: Conf. Ser. 1067, (United Kingdom): IOP Publishing, 2018. ISSN 1742-6588

**DOI:** <https://doi.org/10.1088/1742-6596/1067/8/082024>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 7

**Total no. authors:** 13

- 14** Óscar Monerris Belda; Elena Díaz Caballero; Vicente E. Boria; Benito Gimeno. High-Power Multicarrier Generation for RF Breakdown Testing. 903276 - IEEE Transactions on Electron Devices. 64 - 2, pp. 556 - 563. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2017. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2016.2641243>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 4

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 2.62

**Journal in the top 25%:** No

**Position of publication:** 86

**No. of journals in the cat.:** 260

**Impact source:** ISI

**Category:** PHYSICS, APPLIED

**Impact index in year of publication:** 2.62

**Journal in the top 25%:** No

**Position of publication:** 47

**No. of journals in the cat.:** 146

- 15** A.A. San Blas; B. Gimeno; V. E. Boria. Study of the multipactor phenomenon using a full-wave integral equation technique. 909417 - AEU-International Journal of Electronics and Communications. 79, pp. 286 - 290. (Germany): 2017. Available on-line at: <<http://dx.doi.org/10.1016/j.aeue.2017.06.009>>. ISSN 1434-8411

**DOI:** <https://doi.org/10.1016/j.aeue.2017.06.009>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 2

**Total no. authors:** 3

**Impact source:** ISI

**Impact index in year of publication:** 2.115

**Position of publication:** 112

**Impact source:** ISI

**Impact index in year of publication:** 2.115

**Position of publication:** 37

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 260

**Category:** TELECOMMUNICATIONS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 87

- 16** Angela Coves; Stephan Marini; Benito Gimeno; Daniel Sánchez; Ana Rodríguez; Vicente E. Boria. Design of narrow-band dielectric frequency-selective surfaces for microwave applications. 913729 - IET Microwaves Antennas & Propagation. 10 - 3, pp. 251 - 255. (United Kingdom): 2016. ISSN 1751-8725

**DOI:** <https://doi.org/10.1049/iet-map.2015.0121>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 6

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 1.187

**Journal in the top 25%:** No

**Position of publication:** 173

**No. of journals in the cat.:** 262

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 1.187

**Journal in the top 25%:** No

**Position of publication:** 63

**No. of journals in the cat.:** 89

- 17** Stephan Marini; Pablo Soto; Ángela Coves; Benito Gimeno; Vicente E. Boria. Practical Design of Filters Using EBG Waveguides Periodically Loaded with Metal Ridges. 016067 - Progress In Electromagnetics Research C. 63, pp. 13 - 21. 2016. ISSN 1937-8718

**DOI:** <https://doi.org/10.2528/PIERC15111603>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 5

- 18** A. A. San-Blas; J. M. Roca; S. Cogollos; J. V. Morro; V. E. Boria; B. Gimeno. Compensation of the impact of low-cost manufacture techniques in the design of E-plane multi-port waveguide junctions. 901380 - Radio Science. 51, pp. 619 - 628. (United States of America): 2016. ISSN 0048-6604

**DOI:** <https://doi.org/10.1002/2016RS006027>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 6

**Total no. authors:** 6

**Impact source:** ISI

**Category:** ASTRONOMY & ASTROPHYSICS

**Impact index in year of publication:** 1.581

**Journal in the top 25%:** No

**Position of publication:** 40

**No. of journals in the cat.:** 63

**Impact source:** ISI

**Category:** METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 1.581

**Journal in the top 25%:** No

**Position of publication:** 52

**No. of journals in the cat.:** 85

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS



**Impact index in year of publication:** 1.581  
**Position of publication:** 52

**Impact source:** ISI  
**Impact index in year of publication:** 1.581  
**Position of publication:** 19

**Impact source:** ISI  
**Impact index in year of publication:** 1.581  
**Position of publication:** 47

**Journal in the top 25%:** No  
**No. of journals in the cat.:** 89

**Category:** REMOTE SENSING  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 29

**Category:** GEOCHEMISTRY & GEOPHYSICS  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 84

- 19** Enrique Bronchalo; Ángela Coves; Rafael Mata; Benito Gimeno; Isabel Montero; Luis Galán; Vicente E. Boria; Laura Mercadé; Esteban Sanchís-Kilders. Secondary Electron Emission of Pt: Experimental Study and Comparison With Models in the Multipactor Energy Range. 903276 - IEEE Transactions on Electron Devices. 63 - 8, pp. 3270 - 3277. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2016. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2016.2580199>

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 9

**Impact source:** ISI

**Impact index in year of publication:** 2.605

**Position of publication:** 77

**Impact source:** ISI

**Impact index in year of publication:** 2.605

**Position of publication:** 42

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 262

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** No

**No. of journals in the cat.:** 148

- 20** Daniel González-Iglesias; Óscar Moneris; Benito Gimeno Martínez; María Elena Díaz; Vicente E. Boria; Petronilo Martín Iglesias. Multipactor RF Breakdown in Coaxial Transmission Lines With Digitally Modulated Signals. 903276 - IEEE Transactions on Electron Devices. 63 - 10, pp. 4096 - 4103. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2016. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2016.2596801>

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.605

**Position of publication:** 77

**Impact source:** ISI

**Impact index in year of publication:** 2.605

**Position of publication:** 42

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 262

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** No

**No. of journals in the cat.:** 148

- 21** Daniel González-Iglesias; Álvaro Gómez; Benito Gimeno; Óscar Fernández; Angel Vegas; Fernando Casas; Sergio Anza Hormigo; Carlos Vicente; Jordi Gil; Rafael Mata; Isabel Montero; Vicente E. Boria; David Raboso. Analysis of Multipactor RF Breakdown in a Waveguide Containing a Transversely Magnetized Ferrite. 903276 - IEEE Transactions on Electron Devices. 63 - 12, pp. 4939 - 4947. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2016. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2016.2614370>

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 13

**Impact source:** ISI

**Impact index in year of publication:** 2.605

**Position of publication:** 77

**Impact source:** ISI

**Impact index in year of publication:** 2.605

**Position of publication:** 42

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 262

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** No

**No. of journals in the cat.:** 148

- 22** A.A. San Blas; V.E. Boria; B. Gimeno; S. Cogollos. Design of compensated multiport waveguide junctions considering mechanization effects. 909417 - AEU-International Journal of Electronics and Communications. 69, pp. 328 - 331. (Germany): 2015. Available on-line at: <<http://dx.doi.org/10.1016/j.aeue.2014.10.003>>. ISSN 1434-8411  
**DOI:** <https://doi.org/10.1016/j.aeue.2014.10.003>

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 0.786

**Position of publication:** 176

**Impact source:** ISI

**Impact index in year of publication:** 0.786

**Position of publication:** 59

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 257

**Category:** TELECOMMUNICATIONS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 82

- 23** Ángel A. San-Blas; Ana Vidal; Andrei A. Muller; Pablo Soto; Fermín Mira; Francisco Javier Pérez-Soler; Benito Gimeno; Vicente E. Boria. Flexible and Efficient Computer-Aided Design Tool for Advanced Comb-Line Rectangular Waveguide Filters. 910393 - International Journal of Rf and Microwave Computer-Aided Engineering. 25 - 8, pp. 696 - 708. (United States of America): 2015. ISSN 1096-4290  
**DOI:** <https://doi.org/10.1002/mmce.20908>

**Type of production:** Scientific paper

**Position of signature:** 7

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 0.524

**Position of publication:** 206

**Impact source:** ISI

**Impact index in year of publication:** 0.524

**Position of publication:** 98

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 257

**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 104

- 24** J.K. Vogel; E. Armengaud; F.T. Avignone; M. Betz; P. Brax; P. Brun; G. Cantatore; J.M. Carmona; G.P. Carosi; F. Caspers; S. Caspi; S.A. Cetin; D. Chelouche; F.E. Christensen; A. Dael; T. Dafni; M. Davenport; A.V. Derbin; K. Desch; A. Diago; B. Döbrich; I. Dratchnev; A. Dudarev; C. Eleftheriadis; G. Fanourakis; E. Ferrer-Ribas; J. Galán; J.A. García; J.G. Garza; T. Geralis; B. Gimeno; I. Giomataris; S. Gninenko; H. Gómez; D. González-Díaz; E. Guendelman; C.J. Hailey; T. Hiramatsu; D.H.H. Hoffmann; D. Horns; F.J. Iguaz; I.G. Irastorza; J. Isern; K. Imai; A.C. Jakobsen; J. Jaeckel; K. Jakovčič; J. Kaminski; M. Kawasaki; M. Karuza; M. Krčmar; K. Kousouris; C.



Krieger; B. Lakí; O. Limousin; A. Lindner; A. Liolios; G. Luzón; S. Matsuki; V.N. Muratova; C. Nones; I. Ortega; T. Papaevangelou; M.J. Pivovarov; G. Raffelt; J. Redondo; A. Ringwald; S. Russenschuck; J. Ruz; K. Saikawa; I. Savvidis; T. Sekiguchi; Y.K. Semertzidis; I. Shilon; P. Sikivie; H. Silva; H. ten Kate; A. Tomas; S. Troitsky; T. Vafeiadis; K. van Bibber; P. Vedrine; J.A. Villar; L. Walckiers; A. Weltman; W. Wester; S.C. Yildiz; K. Zioutas. The next generation of axion helioscopes: The International Axion Observatory (IAXO). 309681 - Physics Procedia. 61, pp. 193 - 200. (Holland): Elsevier, 2015. ISSN 1875-3892

DOI: <https://doi.org/10.1016/j.phpro.2014.12.031>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 31

**Total no. authors:** 88

- 25** Santiago Cogollos; Pablo Soto; Vicente E. Boria; Marco Guglielmi; María Brumos; Benito Gimeno; David Raboso. Efficient Design of Waveguide Manifold Multiplexers based on Low-Order EM Distributed Models. 901358 - IEEE Transactions on Microwave Theory and Techniques. 63 - 8, pp. 2540 - 2549. (United States of America): 2015. ISSN 0018-9480

DOI: <https://doi.org/10.1109/TMTT.2015.2442990>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 6

**Total no. authors:** 7

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 2.943

**Journal in the top 25%:** Yes

**Position of publication:** 52

**No. of journals in the cat.:** 257

- 26** A. Vidal; A. A. San-Blas; F. D. Quesada-Pereira; J. Pérez-Soler; J. Gil; C. Vicente; B. Gimeno; V. E. Boria. Highly efficient full-wave electromagnetic analysis of 3D arbitrarily-shaped microwave devices using an integral equation technique. 901380 - Radio Science. 50, pp. 642 - 655. (United States of America): 2015. ISSN 0048-6604

DOI: <https://doi.org/10.1002/2015RS005685>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 7

**Total no. authors:** 8

**Impact source:** ISI

**Category:** ASTRONOMY & ASTROPHYSICS

**Impact index in year of publication:** 1.273

**Journal in the top 25%:** No

**Position of publication:** 40

**No. of journals in the cat.:** 62

**Impact source:** ISI

**Category:** METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 1.273

**Journal in the top 25%:** No

**Position of publication:** 61

**No. of journals in the cat.:** 84

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 1.273

**Journal in the top 25%:** No

**Position of publication:** 36

**No. of journals in the cat.:** 82

**Impact source:** ISI

**Category:** REMOTE SENSING

**Impact index in year of publication:** 1.273

**Journal in the top 25%:** No

**Position of publication:** 19

**No. of journals in the cat.:** 28

**Impact source:** ISI

**Category:** GEOCHEMISTRY & GEOPHYSICS

**Impact index in year of publication:** 1.273

**Journal in the top 25%:** No

**Position of publication:** 50

**No. of journals in the cat.:** 81





- 27** D. González-Iglesias; O. Monerris Belda; M. E. Díaz; B. Gimeno; V. E. Boria; D. Raboso. Experimental Analysis of the Multipactor Effect With RF Pulsed Signals. 901335 - IEEE Electron Device Letters. 36 - 10, pp. 1085 - 1087. (United States of America): 2015. ISSN 0741-3106  
**DOI:** <https://doi.org/10.1109/LED.2015.2468068>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 4  
**Total no. authors:** 6  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 2.528 **Journal in the top 25%:** Yes  
**Position of publication:** 40 **No. of journals in the cat.:** 257
- 28** E.J. Carrasco-Correa; J.M. Herrero-Martí-nez; L. Consuegra; G. Ramis-Ramos; R. Mata-Sanz; B. Gimeno-Martínez; V.E. Boria-Esbert; D. Raboso-García-Baquero. Thermal desorption gas chromatography with mass spectrometry study of outgassing from polymethacrylimide foam (Rohacell (R)). 910912 - Journal of Separation Science. 38 - .17, pp. 3028 - 3037. (Germany): 2015. ISSN 1615-9306  
**DOI:** <https://doi.org/10.1002/jssc.201500311>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 6  
**Total no. authors:** 8  
**Impact source:** ISI **Category:** CHEMISTRY, ANALYTICAL  
**Impact index in year of publication:** 2.741 **Journal in the top 25%:** No  
**Position of publication:** 21 **No. of journals in the cat.:** 75
- 29** E. Ferrer Ribas; E. Armengaud; F. T. Avignone; M. Betz; P. Brax; P. Brun; G. Cantatore; J. M. Carmona; G. P. Carosi; F. Caspers; S. Caspi; S. A. Cetin; D. Chelouche; F. E. Christensen; A. Dael; T. Dafni; M. Davenport; A. V. Derbin; K. Desch; A. Diago; B. Döbrich; I. Dratchnev; A. Dudarev; C. Eleftheriadis; G. Fanourakis; J. Galán; J. A. García; J. G. Garza; T. Geralis; B. Gimeno; I. Giomataris; S. Gninenko; H. Gómez; D. González-Díaz; E. Guendelman; C. J. Hailey; T. Hiramatsu; D. H. H. Hoffmann; D. Horns; F. J. Iguaz; I. G. Irastorza; J. Isern; K. Imai; J. Jaeckel; A. C. Jakobsen; K. Jakovcic; J. Kaminski; M. Kawasaki; M. Karuza; M. Krcmar; K. Kousouris; C. Krieger; B. Lakic; O. Limousin; A. Lindner; A. Liolios; G. Luzón; S. Matsuki; V. N. Muratova; C. Nones; I. Ortega; T. Papaevangelou; M. J. Pivovarov; G. Raffelt; J. Redondo; A. Ringwald; S. Russenschuck; J. Ruz; K. Saikawa; I. Savvidis; T. Sekiguchi; Y. K. Semertzidis; I. Shilon; P. Sikivie; H. Silva; H. H. J. ten Kate; A. Tomas; S. Troitsky; T. Vafeiadis; K. van Bibber; P. Vadrine; J. A. Villar; J. K. Vogel; L. Walckiers. The IAXO Helioscope. 311195 - J. Phys.: Conf. Ser. 650, (United Kingdom): IOP Publishing, 2015. ISSN 1742-6588  
**DOI:** <https://doi.org/10.1088/1742-6596/650/1/012009>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 30  
**Total no. authors:** 88
- 30** D. González-Iglesias; P. Soto; S. Anza; B. Gimeno; V. E. Boria; C. Vicente; J. Gil. Corrections to 'Multipactor Susceptibility Charts for Ridge and Multi-Ridge Waveguides'. 903276 - IEEE Transactions on Electron Devices. 61 - 1, pp. 212 - 212. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2014. ISSN 0018-9383  
**DOI:** <https://doi.org/10.1109/TED.2013.2288795>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 4  
**Total no. authors:** 7  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 2.472 **Journal in the top 25%:** Yes  
**Position of publication:** 37 **No. of journals in the cat.:** 249

**Impact source:** ISI  
**Impact index in year of publication:** 2.472  
**Position of publication:** 33

**Category:** PHYSICS, APPLIED  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 144

- 31** Stephan Marini; Pablo Soto; Michael Mattes; Benito Gimeno; Sergio Bleda; Ana Vidal; Vicente E. Boria. Rigorous Evaluation of Propagation Losses in Arbitrarily Shaped Waveguide Structures Using BI-RME and Perturbation of Boundary Conditions. 913729 - IET Microwaves Antennas & Propagation. 8 - 12, pp. 980 - 989. (United Kingdom): 2014. ISSN 1751-8725

**DOI:** <https://doi.org/10.1049/iet-map.2013.0414>

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 0.91

**Position of publication:** 149

**Impact source:** ISI

**Impact index in year of publication:** 0.91

**Position of publication:** 44

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 249

**Category:** TELECOMMUNICATIONS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 77

- 32** D. González-Iglesias; B. Gimeno; V. E. Boria; Á. Gómez; Á. Vegas. Multipactor Effect in a Parallel-Plate Waveguide Partially Filled with Magnetized Ferrite. 903276 - IEEE Transactions on Electron Devices. 61 - 7, pp. 2552 - 2557. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2014. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2014.2322395>

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 2.472

**Position of publication:** 37

**Impact source:** ISI

**Impact index in year of publication:** 2.472

**Position of publication:** 33

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 249

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 144

- 33** E. Armengaud; F.T. Avignone; M. Betz; P. Brax; P. Brun; G. Cantatore; J.M. Carmona; G.P. Carosi; F. Caspers; S. Caspi; S.A. Cetin; D. Chelouche; F.E. Christensen; A. Dael; T. Dafni; M. Davenport; A.V. Derbin; K. Desch; A. Diago; B. Döbrich; I. Dratchnev; A. Dudarev; C. Eleftheriadis; G. Fanourakis; E. Ferrer-Ribas; J. Galán; J.A. García; J.G. Garza; T. Geralis; B. Gimeno; I. Giomataris; S. Gninenko; H. Gómez; D. González-Díaz; E. Guendelman; C.J. Hailey; T. Hiramatsu; D.H.H. Hoffmann; D. Horns; F.J. Iguaz; I.G. Irastorza; J. Isern; K. Imai; A.C. Jakobsen; J. Jaeckel; K. Jakovčič; J. Kaminski; M. Kawasaki; M. Karuza; M. Krčmar; K. Kousouris; C. Krieger; B. Lakí; O. Limousin; A. Lindner; A. Liolios; G. Luzón; S. Matsuki; V.N. Muratova; C. Nones; I. Ortega; T. Papaevangelou; M.J. Pivovarov; G. Raffelt; J. Redondo; A. Ringwald; S. Russenschuck; J. Ruz; K. Saikawa; I. Savvidis; T. Sekiguchi; Y.K. Semertzidis; I. Shilon; P. Sikivie; H. Silva; H. ten Kate; A. Tomas; S. Troitsky; T. Vafeiadis; K. van Bibber; P. Vedrine; J.A. Villar; J.K. Vogel; L. Walckiers; A. Weltman; W. Wester; S.C. Yildiz; K. Zioutas. Conceptual design of the International Axion Observatory (IAXO). 914178 - Journal Of Instrumentation. 9 - May 2014, (United Kingdom): 2014. ISSN 1748-0221

**DOI:** <https://doi.org/10.1088/1748-0221/9/05/T05002>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 30**Total no. authors:** 88**Impact source:** ISI**Impact index in year of publication:** 1.399**Position of publication:** 26**Category:** INSTRUMENTS & INSTRUMENTATION**Journal in the top 25%:** No**No. of journals in the cat.:** 56

- 34** A. M. Pérez; B. Gimeno; V. E. Boria; S. Anza; C. Vicente; J. Gil. Analysis of the multipactor effect in circular waveguides excited by two orthogonal polarization waves. 909070 - Physics of Plasmas. 21, (United States of America): 2014. ISSN 1070-664X

**DOI:** <https://doi.org/10.1063/1.4892250>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 2**Total no. authors:** 6**Impact source:** ISI**Category:** PHYSICS, FLUIDS & PLASMAS**Impact index in year of publication:** 2.15**Journal in the top 25%:** No**Position of publication:** 11**No. of journals in the cat.:** 31

- 35** D. Gonzalez-Iglesias; A. M. Pérez; S. Anza; J. Vague; B. Gimeno; V. E. Boria; D. Raboso; C. Vicente; J. Gil; F. Caspers; L. Conde. Multipactor Mitigation in Coaxial Lines by Means of Permanent Magnets. 903276 - IEEE Transactions on Electron Devices. 61 - 12, pp. 4224 - 4231. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2014. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2014.2361172>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 11**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 2.472**Journal in the top 25%:** Yes**Position of publication:** 37**No. of journals in the cat.:** 249**Impact source:** ISI**Category:** PHYSICS, APPLIED**Impact index in year of publication:** 2.472**Journal in the top 25%:** Yes**Position of publication:** 33**No. of journals in the cat.:** 144

- 36** Fermín Mira; Ángel A. San Blas; Vicente E. Boria; Luis J. Roglá; Benito Gimeno. Wideband generalized admittance matrix representation for the analysis and design of waveguide filters with coaxial excitation. 901380 - Radio Science. 48, pp. 1 - 11. (United States of America): 2013. ISSN 0048-6604

**DOI:** <https://doi.org/10.1002/rds.20013>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 5**Impact source:** ISI**Category:** ASTRONOMY & ASTROPHYSICS**Impact index in year of publication:** 1.45**Journal in the top 25%:** No**Position of publication:** 34**No. of journals in the cat.:** 59**Impact source:** ISI**Category:** METEOROLOGY & ATMOSPHERIC SCIENCES**Impact index in year of publication:** 1.45**Journal in the top 25%:** No**Position of publication:** 48**No. of journals in the cat.:** 76**Impact source:** ISI**Category:** TELECOMMUNICATIONS



**Impact index in year of publication:** 1.45  
**Position of publication:** 29

**Impact source:** ISI  
**Impact index in year of publication:** 1.45  
**Position of publication:** 13

**Impact source:** ISI  
**Impact index in year of publication:** 1.45  
**Position of publication:** 46

**Journal in the top 25%:** No  
**No. of journals in the cat.:** 78

**Category:** REMOTE SENSING  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 27

**Category:** GEOCHEMISTRY & GEOPHYSICS  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 79

- 37** C. Carceller; S. Cogollos; P. Soto; J. Gil; V. E. Boria; C. Vicente; B. Gimeno. Efficient boundary integral-resonant mode expansion method implementation for full-wave analysis of passive devices based on circular waveguides with arbitrary perturbations. 913729 - IET Microwaves Antennas & Propagation. 7 - 1, pp. 44 - 53. (United Kingdom): 2013. ISSN 1751-8725

**DOI:** <https://doi.org/10.1049/iet-map.2012.0603>

**Type of production:** Scientific paper

**Position of signature:** 7

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 1.077

**Position of publication:** 149

**Impact source:** ISI

**Impact index in year of publication:** 1.077

**Position of publication:** 46

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 247

**Category:** TELECOMMUNICATIONS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 78

- 38** J. Hueso; D. Raboso; C. Ernst; D. Schmitt; V. E. Boria; B. Gimeno; M. Taroncher; C. Vicente. Optimized Multipactor-Resistant Wedge-Shaped Waveguide Bandpass Filters. 903357 - IEEE Transactions on Plasma Science. 41 - 8, pp. 2135 - 2144. (United States of America): 2013. ISSN 0093-3813

**DOI:** <https://doi.org/10.1109/TPS.2013.2253134>

**Type of production:** Scientific paper

**Position of signature:** 6

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 1.043

**Position of publication:** 22

**Format:** Journal

**Category:** PHYSICS, FLUIDS & PLASMAS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 31

- 39** D. González-Iglesias; M. Belloch; O. Moneris; B. Gimeno; V. E. Boria; D. Raboso; V. E. Semenov. Analysis of Multipactor Effect Using a Phase-Shift Keying Single-Carrier Digital Modulated Signal. 903276 - IEEE Transactions on Electron Devices. 60 - 8, pp. 2664 - 2670. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2013. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2013.2266275>

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 2.358

**Position of publication:** 44

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 247



**Impact source:** ISI  
**Impact index in year of publication:** 2.358  
**Position of publication:** 32

**Category:** PHYSICS, APPLIED  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 136

- 40** Iván Arregui; Fernando Teberio; Israel Arnedo; Aintzane Lujambio; Magdalena Chudzik; David Benito; Txema Lopetegui; Rolf Jost; Franz-Josef Görtz; Jordi Gil; Carlos Vicente; Benito Gimeno; Vicente E. Boria; David Raboso; Miguel A. G. Laso. High-Power Low-Pass Harmonic Filters With Higher-Order TEn0 and Non-TEn0 Mode Suppression: Design Method and Multipactor Characterization. 901358 - IEEE Transactions on Microwave Theory and Techniques. 61 - 12, pp. 4376 - 4386. (United States of America): 2013. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2013.2288208>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 12

**Total no. authors:** 15

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 2.943

**Journal in the top 25%:** Yes

**Position of publication:** 30

**No. of journals in the cat.:** 247

- 41** Pablo Soto Pacheco; Vicente E. Boria Esbert; Carlos Carceller Candau; Carlos P. Vicente Quiles; Jordi Gil Raga; Benito Gimeno Martínez. EM-Based Synthesis and Design of Bandpass Waveguide Filters Including Manufacturing Effects with FEST3D. 910393 - International Journal of Rf and Microwave Computer-Aided Engineering. 22 - 1, pp. 93 - 103. (United States of America): 2012. ISSN 1096-4290

**DOI:** <https://doi.org/10.1002/mmce.20588>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 6

**Total no. authors:** 6

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 0.291

**Journal in the top 25%:** No

**Position of publication:** 159

**No. of journals in the cat.:** 243

**Impact source:** ISI

**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

**Impact index in year of publication:** 0.291

**Journal in the top 25%:** No

**Position of publication:** 76

**No. of journals in the cat.:** 100

**Source of citations:** WOS

**Citations:** 0

- 42** Ángela Coves; Stephan Marini; Benito Gimeno; Vicente Boria. Full-Wave Analysis of Periodic Dielectric Frequency-Selective Surfaces Under Plane Wave Excitation. 903764 - IEEE Transactions on Antennas and Propagation. 60 - 6, pp. 2760 - 2769. (United States of America): 2012. ISSN 0018-926X

**DOI:** <https://doi.org/10.1109/TAP.2012.2194665>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 4

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 0.921

**Journal in the top 25%:** Yes

**Position of publication:** 37

**No. of journals in the cat.:** 243

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 0.921

**Journal in the top 25%:** Yes

**Position of publication:** 9**No. of journals in the cat.:** 78**Source of citations:** WOS**Citations:** 7

- 43** Santiago Cogollos; María Brumos; Vicente E. Boria; Carlos Vicente; Jordi Gil; Benito Gimeno; Marco Guglielmi. A Systematic Design Procedure of Classical Dual-Mode Circular Waveguide Filters Using an Equivalent Distributed Model. 901358 - IEEE Transactions on Microwave Theory and Techniques. 60 - 4, pp. 1006 - 1017. (United States of America): 2012. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2012.2183381>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 6**Total no. authors:** 7**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 2.015**Journal in the top 25%:** Yes**Position of publication:** 40**No. of journals in the cat.:** 243

- 44** M. Jiménez; Benito Gimeno Martínez; D. Raboso; S. Anza; A. Álvarez; F. Quesada; V. E. Boria; C. Vicente; J. Gil. Multimodal Characterization of the Multipactor Effect in Microwave Waveguide Components. 910869 - IEEE Microwave and Wireless Components Letters. 22 - 2, pp. 61 - 63. (United States of America): 2012. ISSN 1531-1309

**DOI:** <https://doi.org/10.1109/LMWC.2011.2181831>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 2**Total no. authors:** 9**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 1.759**Journal in the top 25%:** No**Position of publication:** 66**No. of journals in the cat.:** 243

- 45** D. González-Iglesias; A. M. Pérez; S. Anza; J. Vague; B. Gimeno; V. E. Boria; D. Raboso; C. Vicente; J. Gil; F. Caspers; L. Conde. Multipactor in a Coaxial Line Under the Presence of an Axial DC Magnetic Field. 901335 - IEEE Electron Device Letters. 33 - 5, pp. 727 - 729. (United States of America): 2012. ISSN 0741-3106

**DOI:** <https://doi.org/10.1109/LED.2012.2186952>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 11**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 2.789**Journal in the top 25%:** Yes**Position of publication:** 26**No. of journals in the cat.:** 243

- 46** S. Anza; C. Vicente; J. Gil; M. Mattes; D. Wolk; U. Wöchner; V. E. Boria; B. Gimeno; D. Raboso. Prediction of Multipactor Breakdown for Multi-Carrier Applications: The Quasi-Stationary Method. 901358 - IEEE Transactions on Microwave Theory and Techniques. 60 - 7, pp. 2093 - 2105. (United States of America): 2012. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2012.2197021>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 8**Total no. authors:** 9**Impact source:** ISI



**Impact index in year of publication:** 2.229  
**Position of publication:** 40

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 243

- 47** M. Jiménez; S. Marini; B. Gimeno; A. Álvarez; F. Quesada; V. E. Boria; P. Soto; S. Cogollos; D. Raboso. Evaluation of time-domain electromagnetic fields radiated by charged particles travelling along an arbitrarily-shaped cross-section waveguide using frequency-domain Green's functions. 901380 - Radio Science. 47, (United States of America): 2012. ISSN 0048-6604

**DOI:** <https://doi.org/10.1029/2012RS005008>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 9

**Impact source:** ISI

**Category:** ASTRONOMY & ASTROPHYSICS

**Impact index in year of publication:** 1

**Journal in the top 25%:** No

**Position of publication:** 40

**No. of journals in the cat.:** 56

**Impact source:** ISI

**Category:** METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 1

**Journal in the top 25%:** No

**Position of publication:** 58

**No. of journals in the cat.:** 74

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 1

**Journal in the top 25%:** No

**Position of publication:** 39

**No. of journals in the cat.:** 78

**Impact source:** ISI

**Category:** REMOTE SENSING

**Impact index in year of publication:** 1

**Journal in the top 25%:** No

**Position of publication:** 17

**No. of journals in the cat.:** 27

**Impact source:** ISI

**Category:** GEOCHEMISTRY & GEOPHYSICS

**Impact index in year of publication:** 1

**Journal in the top 25%:** No

**Position of publication:** 51

**No. of journals in the cat.:** 76

- 48** D. González-Iglesias; P. Soto; S. Anza; B. Gimeno; V. E. Boria; C. Vicente; J. Gil. Multipactor Susceptibility Charts for Ridge and Multi-Ridge Waveguides. 903276 - IEEE Transactions on Electron Devices. 59 - 12, pp. 3601 - 3607. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2012. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2012.2215611>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 7

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 2.062

**Journal in the top 25%:** Yes

**Position of publication:** 44

**No. of journals in the cat.:** 243

**Impact source:** ISI

**Category:** PHYSICS, APPLIED

**Impact index in year of publication:** 2.062

**Journal in the top 25%:** No

**Position of publication:** 35

**No. of journals in the cat.:** 128



- 49** Ángela Coves; Benito Gimeno; Miguel V. Andrés. Oblique incidence and polarization effects in coupled gratings. 910738 - Optics Express. 20 - 23, pp. 25454 - 25460. (United States of America): 2012. ISSN 1094-4087  
**DOI:** <https://doi.org/10.1364/OE.20.025454>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 2  
**Total no. authors:** 3  
**Impact source:** ISI **Category:** OPTICS  
**Impact index in year of publication:** 3.546 **Journal in the top 25%:** Yes  
**Position of publication:** 5 **No. of journals in the cat.:** 80
- 50** Ali Frotanpour; Gholamreza Dadashzadeh; Mahmoud Shahabadi; Benito Gimeno. Analysis of Multipactor RF Breakdown Thresholds in Elliptical Waveguides. 903276 - IEEE Transactions on Electron Devices. 58 - 3, pp. 876 - 881. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2011. ISSN 0018-9383  
**DOI:** <https://doi.org/10.1109/TED.2010.2097600>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 4  
**Total no. authors:** 4  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 2.32 **Journal in the top 25%:** Yes  
**Position of publication:** 34 **No. of journals in the cat.:** 245  
**Impact source:** ISI **Category:** PHYSICS, APPLIED  
**Impact index in year of publication:** 2.32 **Journal in the top 25%:** Yes  
**Position of publication:** 29 **No. of journals in the cat.:** 124
- 51** F. D. Quesada Pereira; P. Vera Castejón; A. Álvarez Melcón; B. Gimeno; V. E. Boria Esbert. An efficient integral equation technique for the analysis of arbitrarily shaped capacitive waveguide circuits. 901380 - Radio Science. 46, (United States of America): 2011. ISSN 0048-6604  
**DOI:** <https://doi.org/10.1029/2010RS004458>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 4  
**Total no. authors:** 5  
**Impact source:** ISI **Category:** ASTRONOMY & ASTROPHYSICS  
**Impact index in year of publication:** 1.08 **Journal in the top 25%:** No  
**Position of publication:** 38 **No. of journals in the cat.:** 56  
**Impact source:** ISI **Category:** METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact index in year of publication:** 1.08 **Journal in the top 25%:** No  
**Position of publication:** 52 **No. of journals in the cat.:** 70  
**Impact source:** ISI **Category:** TELECOMMUNICATIONS  
**Impact index in year of publication:** 1.08 **Journal in the top 25%:** No  
**Position of publication:** 34 **No. of journals in the cat.:** 79  
**Impact source:** ISI **Category:** REMOTE SENSING  
**Impact index in year of publication:** 1.08 **Journal in the top 25%:** No  
**Position of publication:** 13 **No. of journals in the cat.:** 24  
**Impact source:** ISI **Category:** GEOCHEMISTRY & GEOPHYSICS  
**Impact index in year of publication:** 1.08 **Journal in the top 25%:** No



**Position of publication:** 47**No. of journals in the cat.:** 76

- 52** S. Anza; M. Mattes; C. Vicente; J. Gil; D. Raboso; V.E. Boria; B. Gimeno. Multipactor theory for multi-carrier signals. 909070 - Physics of Plasmas. 18, (United States of America): 2011. ISSN 1070-664X  
**DOI:** <https://doi.org/10.1063/1.3561821>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 7  
**Total no. authors:** 7  
**Impact source:** ISI **Category:** PHYSICS, FLUIDS & PLASMAS  
**Impact index in year of publication:** 2.15 **Journal in the top 25%:** No  
**Position of publication:** 11 **No. of journals in the cat.:** 31
- 53** Vanessa Zamora; Antonio Díez; Miguel V. Andrés; Benito Gimeno. Cylindrical optical microcavities: Basic properties and sensor applications. 913884 - Photonics And Nanostructures-Fundamentals And Applications. 9, pp. 149 - 158. (Holland): 2011. ISSN 1569-4410  
**DOI:** <https://doi.org/10.1016/j.photonics.2010.09.007>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 4  
**Total no. authors:** 4  
**Impact source:** ISI **Category:** MATERIALS SCIENCE, MULTIDISCIPLINARY  
**Impact index in year of publication:** 1.68 **Journal in the top 25%:** No  
**Position of publication:** 84 **No. of journals in the cat.:** 230  
**Impact source:** ISI **Category:** OPTICS  
**Impact index in year of publication:** 1.68 **Journal in the top 25%:** No  
**Position of publication:** 29 **No. of journals in the cat.:** 78  
**Impact source:** ISI **Category:** PHYSICS, APPLIED  
**Impact index in year of publication:** 1.68 **Journal in the top 25%:** No  
**Position of publication:** 47 **No. of journals in the cat.:** 124  
**Impact source:** ISI **Category:** NANOSCIENCE & NANOTECHNOLOGY  
**Impact index in year of publication:** 1.68 **Journal in the top 25%:** No  
**Position of publication:** 36 **No. of journals in the cat.:** 66
- 54** A. A. San Blas; F. J. Pérez; J. Gil; F. Mira; V. E. Boria; B Gimeno. Full-Wave Analysis and Design of Broadband Turnstile Junctions. 308892 - Progress in electromagnetics research (Letters). 24, pp. 149 - 158. (United States of America): EMW Publishing, 2011. ISSN 1937-6480  
**DOI:** <https://doi.org/10.2528/PIERL11051703>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 6  
**Total no. authors:** 6
- 55** Jaime Hueso; David Raboso; Dietmar Schmitt; Vicente E. Boria; Benito Gimeno; Carlos Vicente. Study of the Multipactor Effect in Bandpass Wedge-Shaped Waveguide Filters. 903276 - IEEE Transactions on Electron Devices. 58 - 9, pp. 3205 - 3212. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2011. ISSN 0018-9383  
**DOI:** <https://doi.org/10.1109/TED.2011.2159610>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 5



**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.32

**Position of publication:** 34

**Impact source:** ISI

**Impact index in year of publication:** 2.32

**Position of publication:** 29

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 245

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 124

- 56** Stephan Marini; Michael Mattes; Benito Gimeno; Vicente E. Boria. Improved Computation of Propagation Losses in Waveguide Structures Using Perturbation of Boundary Conditions. 910869 - IEEE Microwave and Wireless Components Letters. 21 - 11, pp. 577 - 579. (United States of America): 2011. ISSN 1531-1309

**DOI:** <https://doi.org/10.1109/LMWC.2011.2167135>

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 1.72

**Position of publication:** 61

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 245

- 57** Stephan Marini; Ángela Coves; Vicente E. Boria; Benito Gimeno. Full-Wave Modal Analysis of Slow-Wave Periodic Structures Loaded with Elliptical Waveguides. 903276 - IEEE Transactions on Electron Devices. 57 - 2, pp. 516 - 524. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2010. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2009.2037175>

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 2.255

**Position of publication:** 34

**Impact source:** ISI

**Impact index in year of publication:** 2.255

**Position of publication:** 28

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 247

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 118

- 58** Stephan Marini; Ángela Coves; Vicente E. Boria; Benito Gimeno. Efficient Modal Analysis of Periodic Structures Loaded with Arbitrarily Shaped Waveguides. 901358 - IEEE Transactions on Microwave Theory and Techniques. 58 - 3, pp. 529 - 536. (United States of America): 2010. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2010.2040407>

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 2.015

**Position of publication:** 43

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 247



- 59** Germán Torregrosa-Penalva; Ángela Coves; Benito Gimeno; Isabel Montero; Carlos Vicente; Vicente E. Boria. Multipactor Susceptibility Charts of a Parallel-Plate Dielectric-Loaded Waveguide. 903276 - IEEE Transactions on Electron Devices. 57 - 5, pp. 1160 - 1166. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2010. ISSN 0018-9383  
**DOI:** <https://doi.org/10.1109/TED.2010.2043182>  
**Type of production:** Scientific paper  
**Position of signature:** 3  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 2.255  
**Position of publication:** 34  
**Impact source:** ISI  
**Impact index in year of publication:** 2.255  
**Position of publication:** 28  
**Format:** Journal  
**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 247  
**Category:** PHYSICS, APPLIED  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 118
- 60** T. Pinheiro-Ortega; J. Monge; S. Marini; J. Sanz; E. Sorolla; M. Mattes; C. Vicente; J. Gil; V. E. Boria; B. Gimeno. Microwave Corona Breakdown Prediction in Arbitrarily-Shaped Waveguide Based Filters. 910869 - IEEE Microwave and Wireless Components Letters. 20 - 4, pp. 214 - 216. (United States of America): 2010. ISSN 1531-1309  
**DOI:** <https://doi.org/10.1109/LMWC.2010.2042555>  
**Type of production:** Scientific paper  
**Position of signature:** 10  
**Total no. authors:** 10  
**Impact source:** ISI  
**Impact index in year of publication:** 1.759  
**Position of publication:** 57  
**Format:** Journal  
**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 247
- 61** Francisco J. Pérez Soler; Fernando D. Quesada Pereira; Alejandro Álvarez Melcón; Benito Gimeno; Vicente E. Boria Esbert; Luca Perregrini. Analytical Evaluation of the Static MoM Terms for Volume and Surface Rectangular Domains. 913717 - IEEE Antennas And Wireless Propagation Letters. 9, pp. 87 - 90. (United States of America): 2010. ISSN 1536-1225  
**DOI:** <https://doi.org/10.1109/LAWP.2010.2043710>  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 1.031  
**Position of publication:** 121  
**Impact source:** ISI  
**Impact index in year of publication:** 1.031  
**Position of publication:** 31  
**Format:** Journal  
**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 247  
**Category:** TELECOMMUNICATIONS  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 80
- 62** Pablo Soto; Eva Tarín; Vicente E. Boria; Carlos Vicente; Jordi Gil; Benito Gimeno. Accurate Synthesis and Design of Wideband and Inhomogeneous Inductive Waveguide Filters. 901358 - IEEE Transactions on Microwave Theory and Techniques. 58 - 8, pp. 2220 - 2230. (United States of America): 2010. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/TMTT.2010.2052668>



**Type of production:** Scientific paper

**Position of signature:** 6

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.015

**Position of publication:** 43

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 247

- 63** S. Anza; C. Vicente; J. Gil; V.E. Boria; B. Gimeno; D. Raboso. Non-stationary statistical theory for multipactor. 909070 - Physics of Plasmas. 17, (United States of America): 2010. ISSN 1070-664X

**DOI:** <https://doi.org/10.1063/1.3443128>

**Type of production:** Scientific paper

**Position of signature:** 5

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.32

**Position of publication:** 9

**Format:** Journal

**Category:** PHYSICS, FLUIDS & PLASMAS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 31

- 64** M. Jiménez; B. Gimeno; C. Miquel-Espanya; D. Raboso; S. Anza; C. Vicente; J. Gil; F. Quesada; A. Álvarez; M. Taroncher; M. Reglero; V.E. Boria. Analysis of the electromagnetic radiation generated by a multipactor discharge occurring within a microwave passive component. 903286 - Journal of Physics D-Applied Physics. 43, (United Kingdom): IOP Publishing, 2010. ISSN 0022-3727

**DOI:** <https://doi.org/10.1088/0022-3727/43/39/395501>

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 12

**Impact source:** ISI

**Impact index in year of publication:** 2.105

**Position of publication:** 32

**Format:** Journal

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** No

**No. of journals in the cat.:** 118

- 65** Jaime Hueso; Carlos Vicente; Benito Gimeno; Vicente E. Boria; Stephan Marini; Máriam Taroncher. Multipactor Effect Analysis and Design Rules for Wedge-Shaped Hollow Waveguides. 903276 - IEEE Transactions on Electron Devices. 57 - 12, pp. 3508 - 3517. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2010. ISSN 0018-9383

**DOI:** <https://doi.org/10.1109/TED.2010.2075931>

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.255

**Position of publication:** 34

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 247

**Impact source:** ISI

**Impact index in year of publication:** 2.255

**Position of publication:** 28

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 118

- 66** P. Soto; D. de Llanos; V. E. Boria; E. Tarín; S. Cogollos; M. Taroncher; B. Gimeno. Design Methodologies for Optimizing the Electrical and Mechanical Performances of Evanescent Mode Ridge Waveguide Filters. 310306 - Waves. 2 - 1, pp. 116 - 125. (Spain): Editorial Universitat Politècnica de València (UPV), 2010. ISSN 1889-8297



**Type of production:** Scientific paper  
**Position of signature:** 7  
**Total no. authors:** 7

**Format:** Journal

- 67** Jordi Gil; Ángel A. San Blas; Carlos Vicente; Benito Gimeno; Marco Bressan; Vicente E. Boria; Giuseppe Conciauro; Manuel Maestre. Full-Wave Analysis and Design of Dielectric-Loaded Waveguide Filters using a State-Space Integral-Equation Method. 901358 - IEEE Transactions on Microwave Theory and Techniques. 57 - 1, pp. 109 - 120. (United States of America): 2009. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2008.2008974>

**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 8

**Format:** Journal

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 2.076

**Journal in the top 25%:** Yes

**Position of publication:** 39

**No. of journals in the cat.:** 246

- 68** F. Mira; Á. A. San Blas; V. E. Boria; B. Gimeno. Wideband modelling of cascaded H-plane waveguide junctions using the generalized impedance matrix representation. 913729 - Iet Microwaves Antennas & Propagation. 3 - 4, pp. 580 - 590. (United Kingdom): 2009. ISSN 1751-8725

**DOI:** <https://doi.org/10.1049/iet-map.2008.0180>

**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 4

**Format:** Journal

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 1.077

**Journal in the top 25%:** No

**Position of publication:** 114

**No. of journals in the cat.:** 246

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 1.077

**Journal in the top 25%:** No

**Position of publication:** 26

**No. of journals in the cat.:** 77

- 69** F. Mira; A. A. San Blas; V. E. Boria; B. Gimeno. Wideband impedance matrix representation of passive waveguide components based on cascaded planar junctions. 901380 - Radio Science. 44, pp. 1 - 14. (United States of America): 2009. ISSN 0048-6604

**DOI:** <https://doi.org/10.1029/2008RS003886>

**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 4

**Format:** Journal

**Impact source:** ISI

**Category:** INSTRUMENTS & INSTRUMENTATION

**Impact index in year of publication:** 1.012

**Journal in the top 25%:** No

**Position of publication:** 28

**No. of journals in the cat.:** 58

**Impact source:** ISI

**Category:** METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 1.012

**Journal in the top 25%:** No

**Position of publication:** 45

**No. of journals in the cat.:** 63

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 1.012

**Journal in the top 25%:** No

**Position of publication:** 29

**No. of journals in the cat.:** 77

**Impact source:** ISI  
**Impact index in year of publication:** 1.012  
**Position of publication:** 11

**Category:** REMOTE SENSING  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 11

**Impact source:** ISI  
**Impact index in year of publication:** 1.012  
**Position of publication:** 45

**Category:** GEOCHEMISTRY & GEOPHYSICS  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 75

- 70** B. Gimeno; E. Sorolla; S. Anza; C. Vicente; J. Gil; A. M. Pérez; V. E. Boria; F. J. Pérez-Soler; F. Quesada; A. Álvarez; D. Raboso. Multipactor radiation analysis within in a waveguide region based on a frequency-domain representation of the dynamics of charged particles. 908787 - Physical Review E. 79, (United States of America): 2009. ISSN 1539-3755

**DOI:** <https://doi.org/10.1103/PhysRevE.79.046604>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 1

**Total no. authors:** 11

**Impact source:** ISI  
**Impact index in year of publication:** 2.4  
**Position of publication:** 8

**Category:** PHYSICS, FLUIDS & PLASMAS  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 28

**Impact source:** ISI  
**Impact index in year of publication:** 2.4  
**Position of publication:** 5

**Category:** PHYSICS, MATHEMATICAL  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 47

- 71** Vanessa Zamora; Antonio Díez; Miguel V. Andrés; Benito Gimeno. Interrogation of whispering-gallery modes resonances in cylindrical microcavities by backreflection detection. 902931 - Optics Letters. 34 - 7, pp. 1039 - 1041. (United States of America): 2009. ISSN 0146-9592

**DOI:** <https://doi.org/10.1364/OL.34.001039>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 4

**Impact source:** ISI  
**Impact index in year of publication:** 3.059  
**Position of publication:** 6

**Category:** OPTICS  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 71

- 72** Á. Coves; P.P. Garrido; B. Gimeno; M.V. Andrés. Filter response of resonant waveguide dielectric gratings at plane-wave conical incidence. 913900 - Progress In Electromagnetics Research-Pier. 95, pp. 219 - 239. (United States of America): 2009. ISSN 1559-8985

**DOI:** <https://doi.org/10.2528/PIER09072307>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 4

**Impact source:** ISI  
**Impact index in year of publication:** 3.763  
**Position of publication:** 6

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 246

**Impact source:** ISI  
**Impact index in year of publication:** 3.763  
**Position of publication:** 13

**Category:** PHYSICS, APPLIED  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 108



**Impact source:** ISI  
**Impact index in year of publication:** 3.763  
**Position of publication:** 1

**Category:** TELECOMMUNICATIONS  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 77

- 73** A.M. Pérez; V.E. Boria; B. Gimeno; S. Anza; C. Vicente; J. Gil. Multipactor analysis in circular waveguides. 904703 - Journal of Electromagnetic Waves and Applications. 23 - 11, pp. 1575 - 1583. (Holland): 2009. ISSN 0920-5071

**DOI:** <https://doi.org/10.1163/156939309789476356>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 6

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 1.551

**Journal in the top 25%:** No

**Position of publication:** 70

**No. of journals in the cat.:** 246

**Impact source:** ISI

**Category:** PHYSICS, APPLIED

**Impact index in year of publication:** 1.551

**Journal in the top 25%:** No

**Position of publication:** 43

**No. of journals in the cat.:** 108

**Impact source:** ISI

**Category:** PHYSICS, MATHEMATICAL

**Impact index in year of publication:** 1.551

**Journal in the top 25%:** No

**Position of publication:** 21

**No. of journals in the cat.:** 47

- 74** Antonio M. Pérez; Carolina Tienda; Carlos Vicente; Sergio Anza; Jordi Gil; Benito Gimeno; Vicente E. Boria; David Raboso. Prediction of Multipactor Breakdown Thresholds in Coaxial Transmission Lines for Traveling, Standing and Mixed waves. 903357 - IEEE Transactions on Plasma Science. 37 - 10, pp. 2031 - 2040. (United States of America): 2009. ISSN 0093-3813

**DOI:** <https://doi.org/10.1109/TPS.2009.2028428>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 6

**Total no. authors:** 8

**Impact source:** ISI

**Category:** PHYSICS, FLUIDS & PLASMAS

**Impact index in year of publication:** 1.043

**Journal in the top 25%:** No

**Position of publication:** 19

**No. of journals in the cat.:** 28

- 75** P. Soto; D. de Llanos; V.E. Boria; E. Tarín; B. Gimeno; A. Oñoro; I. Hidalgo; M.J. Padilla. Performance analysis and comparison of symmetrical and asymmetrical configurations of evanescent mode ridge waveguide filters. 901380 - Radio Science. 44 - RS6010, pp. 1 - 16. (United States of America): 2009. ISSN 0048-6604

**DOI:** <https://doi.org/10.1029/2008RS004034>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 5

**Total no. authors:** 8

**Impact source:** ISI

**Category:** INSTRUMENTS & INSTRUMENTATION

**Impact index in year of publication:** 1.012

**Journal in the top 25%:** No

**Position of publication:** 28

**No. of journals in the cat.:** 58

**Impact source:** ISI

**Category:** METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 1.012

**Journal in the top 25%:** No

**Position of publication:** 45

**No. of journals in the cat.:** 63



**Impact source:** ISI  
**Impact index in year of publication:** 1.012  
**Position of publication:** 29

**Impact source:** ISI  
**Impact index in year of publication:** 1.012  
**Position of publication:** 11

**Impact source:** ISI  
**Impact index in year of publication:** 1.012  
**Position of publication:** 45

**Category:** TELECOMMUNICATIONS

**Journal in the top 25%:** No  
**No. of journals in the cat.:** 77

**Category:** REMOTE SENSING  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 21

**Category:** GEOCHEMISTRY & GEOPHYSICS  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 75

- 76** A.A. San Blas; F. Mira; J. Gil; V.E. Boria; B Gimeno. Efficient analysis and design of compensated turnstile junctions using advanced modal techniques. 308892 - Progress in electromagnetics research (Letters). 12, pp. 21 - 30. (United States of America): EMW Publishing, 2009. ISSN 1937-6480  
**DOI:** <https://doi.org/10.2528/PIERL09082002>  
**Type of production:** Scientific paper  
**Position of signature:** 5  
**Total no. authors:** 5  
**Format:** Journal

- 77** Edén Sorolla; Sergio Anza; Benito Gimeno; Antonio M. Pérez; Carlos Vicente; Jordi Gil; Francisco J. Pérez-Soler; Fernando D. Quesada; Alejandro Álvarez; Vicente E. Boria. An Analytical Model to Evaluate the Radiated Power Spectrum of a Multipactor Discharge in a Parallel-Plate Region. 903276 - IEEE Transactions on Electron Devices. 55 - 8, pp. 2252 - 2258. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2008. ISSN 0018-9383  
**DOI:** <https://doi.org/10.1109/TED.2008.926271>  
**Type of production:** Scientific paper  
**Position of signature:** 3  
**Total no. authors:** 10  
**Format:** Journal

**Impact source:** ISI  
**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 2.73  
**Journal in the top 25%:** Yes  
**Position of publication:** 28  
**No. of journals in the cat.:** 229

**Impact source:** ISI  
**Category:** PHYSICS, APPLIED  
**Impact index in year of publication:** 2.73  
**Journal in the top 25%:** Yes  
**Position of publication:** 16  
**No. of journals in the cat.:** 95

**Source of citations:** WOS  
**Citations:** 0

- 78** Ángela Coves; Germán Torregrosa-Penalva; Carlos Vicente; Benito Gimeno; Vicente E. Boria. Multipactor Discharges in Parallel-Plate Dielectric-Loaded Waveguides Including Space-Charge Effects. 903276 - IEEE Transactions on Electron Devices. 55 - 9, pp. 2505 - 2511. (United States of America): Institute of Electrical and Electronics Engineers (IEEE), 2008. ISSN 0018-9383  
**DOI:** <https://doi.org/10.1109/TED.2008.927945>  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 5  
**Format:** Journal

**Impact source:** ISI  
**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 2.73  
**Journal in the top 25%:** Yes  
**Position of publication:** 28  
**No. of journals in the cat.:** 229





**Impact source:** ISI

**Impact index in year of publication:** 2.73

**Position of publication:** 16

**Source of citations:** WOS

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 95

**Citations:** 0

- 79** V.E. Boria; B. Gimeno; S. Marini; M. Taroncher; S. Cogollos; P. Soto; A. Vidal; J. Gil. Recent Advances in Modeling, Design and Fabrication of Microwave Filters for Space Applications. 910393 - International Journal of Rf and Microwave Computer-Aided Engineering. 17 - 1, pp. 70 - 76. (United States of America): 2007. ISSN 1096-4290

**DOI:** <https://doi.org/10.1002/mmce.20199>

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 0.291

**Position of publication:** 171

**Impact source:** ISI

**Impact index in year of publication:** 0.291

**Position of publication:** 86

**Source of citations:** WOS

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 227

**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 92

**Citations:** 0

- 80** Ángel A. San Blas; Fermín Mira; Vicente E. Boria; Benito Gimeno; Marco Bressan; Paolo Arcioni. On the Fast and Rigorous Analysis of Compensated Waveguide Junctions using Off-Centered Partial-Height Metallic Posts. 901358 - IEEE Transactions on Microwave Theory and Techniques. 55 - 1, pp. 168 - 175. (United States of America): 2007. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2006.886928>

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 1.907

**Position of publication:** 30

**Source of citations:** WOS

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 227

**Citations:** 1

- 81** F.D. Quesada; V.E. Boria; J.P. García; A. Vidal; A. Álvarez; J.L. Gómez; B. Gimeno. Efficient Analysis of Arbitrarily Shaped Inductive Obstacles in Rectangular Waveguides Using a Surface Integral Equation Formulation. 901358 - IEEE Transactions on Microwave Theory and Techniques. 55 - 4, pp. 715 - 721. (United States of America): 2007. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2007.893673>

**Type of production:** Scientific paper

**Position of signature:** 7

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 1.907

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes



**Position of publication:** 30

**No. of journals in the cat.:** 227

**Source of citations:** WOS

**Citations:** 0

- 82** Carlos Vicente; Dieter Wolk; Hans L. Hartnagel; Benito Gimeno; Vicente E. Boria; David Raboso. Experimental Analysis of Passive Intermodulation at Waveguide Flange Bolted Connections. 901358 - IEEE Transactions on Microwave Theory and Techniques. 55 - 5, pp. 1018 - 1028. (United States of America): 2007. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/TMTT.2007.895400>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 6

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 1.907

**Journal in the top 25%:** Yes

**Position of publication:** 30

**No. of journals in the cat.:** 227

**Source of citations:** WOS

**Citations:** 1

- 83** F.D. Quesada-Pereira; A. Vidal; V.E. Boria; A. Álvarez-Melcón; B. Gimeno. Wavelet-like efficient analysis of two-dimensional arbitrarily shaped radomes using a surface formulation. 901380 - Radio Science. 42, pp. 1 - 16. (United States of America): 2007. ISSN 0048-6604

**DOI:** <https://doi.org/10.1029/2006RS003522>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 5

**Total no. authors:** 5

**Impact source:** ISI

**Category:** INSTRUMENTS & INSTRUMENTATION

**Impact index in year of publication:** 0.972

**Journal in the top 25%:** No

**Position of publication:** 26

**No. of journals in the cat.:** 55

**Impact source:** ISI

**Category:** METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 0.972

**Journal in the top 25%:** No

**Position of publication:** 41

**No. of journals in the cat.:** 51

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 0.972

**Journal in the top 25%:** No

**Position of publication:** 17

**No. of journals in the cat.:** 66

**Impact source:** ISI

**Category:** REMOTE SENSING

**Impact index in year of publication:** 0.972

**Journal in the top 25%:** No

**Position of publication:** 10

**No. of journals in the cat.:** 14

**Impact source:** ISI

**Category:** GEOCHEMISTRY & GEOPHYSICS

**Impact index in year of publication:** 0.972

**Journal in the top 25%:** No

**Position of publication:** 41

**No. of journals in the cat.:** 63

**Source of citations:** WOS

**Citations:** 0

- 84** S. Anza; C; Vicente; B. Gimeno; V.E. Boria; J. Armendáriz. Long-term multipactor discharge in multicarrier systems. 909070 - Physics of Plasmas. 14, (United States of America): 2007. ISSN 1070-664X

**DOI:** <https://doi.org/10.1063/1.2768019>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3



**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 2.325

**Position of publication:** 5

**Source of citations:** WOS

**Category:** PHYSICS, FLUIDS & PLASMAS

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 25

**Citations:** 0

- 85** Vicente. E. Boria; Benito Gimeno. Waveguide Filters for Satellites. 913168 - Ieee Microwave Magazine. 8 - 5, pp. 60 - 70. (United States of America): 2007. ISSN 1527-3342

**DOI:** <https://doi.org/10.1109/MMM.2007.903649>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 2

**Total no. authors:** 2

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 1.18

**Journal in the top 25%:** No

**Position of publication:** 69

**No. of journals in the cat.:** 227

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 1.18

**Journal in the top 25%:** Yes

**Position of publication:** 15

**No. of journals in the cat.:** 66

**Source of citations:** WOS

**Citations:** 0

- 86** Vanessa Zamora; Antonio Díez; Miguel V. Andrés; Benito Gimeno. Refractometric sensor based on whispering-gallery modes of thin capillaries. 910738 - Optics Express. 15 - 19, pp. 12011 - 12016. (United States of America): 2007. ISSN 1094-4087

**DOI:** <https://doi.org/10.1364/OE.15.012011>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 4

**Impact source:** ISI

**Category:** OPTICS

**Impact index in year of publication:** 3.709

**Journal in the top 25%:** Yes

**Position of publication:** 2

**No. of journals in the cat.:** 64

**Source of citations:** WOS

**Citations:** 4

- 87** G. Torregrosa; A. Coves; C. P. Vicente; A. M. Pérez; B. Gimeno; V. E. Boria. Time Evolution of an Electron Discharge in a Parallel-Plate Dielectric-Loaded Waveguide. 901335 - IEEE Electron Device Letters. 27 - 7, pp. 619 - 621. (United States of America): 2006. ISSN 0741-3106

**DOI:** <https://doi.org/10.1109/LED.2006.877284>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 5

**Total no. authors:** 6

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 2.716

**Journal in the top 25%:** Yes

**Position of publication:** 9

**No. of journals in the cat.:** 202

**Source of citations:** WOS

**Citations:** 0



- 88** J. Gil; A. M. Pérez; B. Gimeno; M. Bressan; V. E. Boria; G. Conciauro. Analysis of Cylindrical Dielectric Resonators in Rectangular Cavities using a State-Space Integral-Equation Method. 910869 - IEEE Microwave and Wireless Components Letters. 16 - 12, pp. 636 - 638. (United States of America): 2006. ISSN 1531-1309  
**DOI:** <https://doi.org/10.1109/LMWC.2006.885584>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3  
**Total no. authors:** 6  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 1.424 **Journal in the top 25%:** Yes  
**Position of publication:** 47 **No. of journals in the cat.:** 202  
**Source of citations:** WOS **Citations:** 0
- 89** J. V. Morro; P. Soto; H. Esteban; V. E. Boria; C. Bachiller; M. Taroncher; S. Cogollos; B. Gimeno. Fast Automated Design of Waveguide Filters Using Aggressive Space Mapping With a New Segmentation Strategy and a Hybrid Optimization Algorithm. 901358 - IEEE Transactions on Microwave Theory and Techniques. 53 - 4, pp. 1130 - 1142. (United States of America): 2005. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/TMTT.2005.845685>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 8  
**Total no. authors:** 8  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 2.275 **Journal in the top 25%:** Yes  
**Position of publication:** 18 **No. of journals in the cat.:** 208  
**Source of citations:** WOS **Citations:** 5
- 90** F. Mira; M. Bressan; G. Conciauro; B. Gimeno; V. E. Boria. Fast S-Domain Modeling of Rectangular Waveguides With Radially Symmetric Metal Insets. 901358 - IEEE Transactions on Microwave Theory and Techniques. 53 - 4, pp. 1294 - 1303. (United States of America): 2005. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/TMTT.2005.845762>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 4  
**Total no. authors:** 5  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 2.275 **Journal in the top 25%:** Yes  
**Position of publication:** 18 **No. of journals in the cat.:** 208  
**Source of citations:** WOS **Citations:** 5
- 91** M. Taroncher; A. Vidal; V. E. Boria; S. Marini; S. Cogollos; J. Gil; B. Gimeno. CAD of Complex Passive Devices Composed of Arbitrarily Shaped Waveguides Using Nyström and BI-RME Methods. 901358 - IEEE Transactions on Microwave Theory and Techniques. 53 - 6, pp. 2153 - 2163. (United States of America): 2005. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/TMTT.2005.848795>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 7  
**Total no. authors:** 7  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC



**Impact index in year of publication:** 2.275  
**Position of publication:** 18

**Source of citations:** WOS

**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 208

**Citations:** 5

- 92** M. Taroncher; J. Hueso; S. Cogollos; B. Gimeno; V. E. Boria; A. Vidal; H. Esteban; M. Guglielmi. Accurate consideration of metal losses at waveguide junctions using admittance and impedance integral equation formulations. 901380 - Radio Science. 40 - RS6013, pp. 1 - 11. (United States of America): 2005. ISSN 0048-6604

**DOI:** <https://doi.org/10.1029/2004RS003225>

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 0.951

**Position of publication:** 22

**Impact source:** ISI

**Impact index in year of publication:** 0.951

**Position of publication:** 34

**Impact source:** ISI

**Impact index in year of publication:** 0.951

**Position of publication:** 18

**Impact source:** ISI

**Impact index in year of publication:** 0.951

**Position of publication:** 6

**Impact source:** ISI

**Impact index in year of publication:** 0.951

**Position of publication:** 32

**Source of citations:** WOS

**Format:** Journal

**Category:** INSTRUMENTS & INSTRUMENTATION

**Journal in the top 25%:** No

**No. of journals in the cat.:** 52

**Category:** METEOROLOGY & ATMOSPHERIC SCIENCES

**Journal in the top 25%:** No

**No. of journals in the cat.:** 47

**Category:** TELECOMMUNICATIONS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 59

**Category:** REMOTE SENSING

**Journal in the top 25%:** No

**No. of journals in the cat.:** 10

**Category:** GEOCHEMISTRY & GEOPHYSICS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 55

**Citations:** 0

- 93** A. Coves; B. Gimeno; J. Gil; M. V. Andrés; A. A. San Blas; V. E. Boria. Full-Wave Analysis of Dielectric Frequency-Selective Surfaces Using a Vectorial Modal Method. 903764 - IEEE Transactions on Antennas and Propagation. 52 - 8, pp. 2091 - 2099. (United States of America): 2004. ISSN 0018-926X

**DOI:** <https://doi.org/10.1109/TAP.2004.832507>

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 0.921

**Position of publication:** 75

**Impact source:** ISI

**Impact index in year of publication:** 0.921

**Position of publication:** 16

**Source of citations:** WOS

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 209

**Category:** TELECOMMUNICATIONS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 57

**Citations:** 7



- 94** J. A. Monsoriu; B. Gimeno; E. Silvestre; M. V. Andrés. Analysis of Inhomogeneously Dielectric Filled Cavities Coupled to Dielectric-Loaded Waveguides: Application to the Study of NRD-Guide Components. 901358 - IEEE Transactions on Microwave Theory and Techniques. 52 - 7, pp. 1693 - 1701. (United States of America): 2004. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/TMTT.2004.830484>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 2  
**Total no. authors:** 4  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 1.543 **Journal in the top 25%:** Yes  
**Position of publication:** 37 **No. of journals in the cat.:** 209  
**Source of citations:** WOS **Citations:** 0
- 95** S. Cogollos; V. E. Boria; P. Soto; A. A. San Blas; B. Gimeno; M. Guglielmi. Direct computation of the admittance parameters of a cubic junction with arbitrarily shaped access ports using BI-RME method. 908766 - IEE Proceedings-Microwaves Antennas and Propagation. 150 - 2, pp. 111 - 119. (United Kingdom): 2003. ISSN 1350-2417  
**DOI:** <https://doi.org/10.1049/ip-map:20030452>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 5  
**Total no. authors:** 6  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 0.477 **Journal in the top 25%:** No  
**Position of publication:** 131 **No. of journals in the cat.:** 205  
**Impact source:** ISI **Category:** TELECOMMUNICATIONS  
**Impact index in year of publication:** 0.477 **Journal in the top 25%:** No  
**Position of publication:** 29 **No. of journals in the cat.:** 56  
**Source of citations:** WOS **Citations:** 2
- 96** A. Coves; B. Gimeno; A. A. San Blas; A. Vidal; V. E. Boria; M. V. Andrés. Three-Dimensional Scattering of Dielectric Gratings Under Plane-Wave Excitation. 913717 - Ieee Antennas And Wireless Propagation Letters. 2, pp. 215 - 218. (United States of America): 2003. ISSN 1536-1225  
**DOI:** <https://doi.org/10.1109/LAWP.2003.819690>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 2  
**Total no. authors:** 6
- 97** J. A. Monsoriu; A. Coves; B. Gimeno; M. V. Andrés; E. Silvestre. A robust and efficient method for obtaining the complex modes in inhomogeneously filled waveguides. 904693 - Microwave and Optical Technology Letters. 37 - 3, pp. 218 - 222. (United States of America): 2003. ISSN 0895-2477  
**DOI:** <https://doi.org/10.1002/mop.10875>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3  
**Total no. authors:** 5  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 0.5 **Journal in the top 25%:** No

**Position of publication:** 126**Impact source:** ISI**Impact index in year of publication:** 0.5**Position of publication:** 44**Source of citations:** WOS**No. of journals in the cat.:** 205**Category:** OPTICS**Journal in the top 25%:** No**No. of journals in the cat.:** 53**Citations:** 2

- 98** A. Coves; A. A. San Blas; B. Gimeno; A. Díez; M. V. Andrés; V. E. Boria. Two-dimensional photonic crystal microwave waveguide. 904693 - Microwave and Optical Technology Letters. 39 - 3, pp. 243 - 246. (United States of America): 2003. ISSN 0895-2477

**DOI:** <https://doi.org/10.1002/mop.11181>**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 0.5**Position of publication:** 126**Impact source:** ISI**Impact index in year of publication:** 0.5**Position of publication:** 44**Source of citations:** WOS**Format:** Journal**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** No**No. of journals in the cat.:** 205**Category:** OPTICS**Journal in the top 25%:** No**No. of journals in the cat.:** 53**Citations:** 0

- 99** S. Cogollos; S. Marini; V. E. Boria; P. Soto; A. Vidal; H. Esteban; J. V. Morro; B. Gimeno. Efficient Modal Analysis of Arbitrarily Shaped Waveguides Composed of Linear, Circular, and Elliptical Arcs Using the BI-RME Method. 901358 - IEEE Transactions on Microwave Theory and Techniques. 51 - 12, pp. 2378 - 2390. (United States of America): 2003. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2003.819776>**Type of production:** Scientific paper**Position of signature:** 8**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 1.584**Position of publication:** 40**Source of citations:** WOS**Format:** Journal**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** Yes**No. of journals in the cat.:** 205**Citations:** 8

- 100** A. A. San Blas; B. Gimeno; V. E. Boria; H. Esteban; S. Cogollos; A. Coves. A Rigorous and Efficient Full-Wave Analysis of Uniform Bends in Rectangular Waveguide Under Arbitrary Incidence. 901358 - IEEE Transactions on Microwave Theory and Techniques. 51 - 2, pp. 397 - 405. (United States of America): 2003. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/TMTT.2002.807833>**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 1.584**Position of publication:** 40**Format:** Journal**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** Yes**No. of journals in the cat.:** 205

**Source of citations:** WOS**Citations:** 3

- 101** V. E. Boria; M. Bozzi; F. Bruni; S. Cogollos; G. Conciauro; B. Gimeno; L. Perregrini. Efficient Analysis of In-Line Waveguide Filters and Frequency-Selective Surfaces with Stepped Holes. 910393 - International Journal of Rf and Microwave Computer-Aided Engineering. 13 - 4, pp. 306 - 315. (United States of America): 2003. ISSN 1096-4290  
**DOI:** <https://doi.org/10.1002/mmce.10087>  
**Type of production:** Scientific paper  
**Position of signature:** 6  
**Total no. authors:** 7  
**Impact source:** ISI  
**Impact index in year of publication:** 0.547  
**Position of publication:** 120  
**Impact source:** ISI  
**Impact index in year of publication:** 0.547  
**Position of publication:** 52  
**Source of citations:** WOS  
**Format:** Journal  
**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 205  
**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 83  
**Citations:** 1
- 102** J.A. Monsoriu; M. V. Andrés; E. Silvestre; A. Ferrando; B. Gimeno. Analysis of Dielectric-Loaded Cavities Using an Orthonormal-Basis Method. 901358 - IEEE Transactions on Microwave Theory and Techniques. 50 - 11, pp. 2545 - 2552. (United States of America): 2002. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/TMTT.2002.804648>  
**Type of production:** Scientific paper  
**Position of signature:** 5  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 1.511  
**Position of publication:** 33  
**Source of citations:** WOS  
**Format:** Journal  
**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 203  
**Citations:** 10
- 103** S. Cogollos; V. E. Boria; H. Esteban; B. Gimeno; M. Guglielmi. Efficient Analysis of General Waveguide Multi-Port Junctions using a Segmentation Technique and Hybrid Matrix Formulations. 903755 - Annales des Telecommunications-Annals of Telecommunications. 56 - 1-2, pp. 94 - 103. (France): 2001. ISSN 0003-4347  
**DOI:** <https://doi.org/10.1007/BF03002990>  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 0.258  
**Position of publication:** 33  
**Source of citations:** WOS  
**Format:** Journal  
**Category:** TELECOMMUNICATIONS  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 49  
**Citations:** 2
- 104** Marco Guglielmi; Benito Gimeno. Circular Waveguide Dual-Mode Filter. 909247 - IEEE Microwave and Guided Wave Letters. 10 - 4, pp. 160 - 160. (United States of America): 2000. ISSN 1051-8207  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Format:** Journal





**Total no. authors:** 2

**Impact source:** ISI

**Impact index in year of publication:** 1.128

**Position of publication:** 37

**Source of citations:** WOS

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 204

**Citations:** 0

- 105** B. Gimeno; I. Martí; M. A. Sanchis; M. Vegara. Determinación Indirecta de la Velocidad de la Luz en el Vacío mediante un Circuito Resonante. 000435 - Revista Española de Física. 14 - 4, pp. 41 - 44. (Spain): 2000. ISSN 0213-862X

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 1

**Total no. authors:** 4

- 106** R. Navarro; V.E. Boria; B. Gimeno; A. Coves; M. Ferrando. Full modal analysis of confocal coaxial elliptical waveguides. 908766 - IEE Proceedings-Microwaves Antennas and Propagation. 147 - 5, pp. 374 - 380. (United Kingdom): 2000. ISSN 1350-2417

**DOI:** <https://doi.org/10.1049/ip-map:20000737>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 5

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 0.419

**Journal in the top 25%:** No

**Position of publication:** 113

**No. of journals in the cat.:** 204

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 0.419

**Journal in the top 25%:** No

**Position of publication:** 21

**No. of journals in the cat.:** 47

**Source of citations:** WOS

**Citations:** 1

- 107** V.E. Boria; S. Cogollos; H. Esteban; M. Guglielmi; B. Gimeno. Efficient analysis of cubic junction of rectangular waveguides using admittance-matrix representation. 908766 - IEE Proceedings-Microwaves Antennas and Propagation. 147 - 6, pp. 417 - 422. (United Kingdom): 2000. ISSN 1350-2417

**DOI:** <https://doi.org/10.1049/ip-map:20000828>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 5

**Total no. authors:** 5

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 0.419

**Journal in the top 25%:** No

**Position of publication:** 113

**No. of journals in the cat.:** 204

**Impact source:** ISI

**Category:** TELECOMMUNICATIONS

**Impact index in year of publication:** 0.419

**Journal in the top 25%:** No

**Position of publication:** 21

**No. of journals in the cat.:** 47

**Source of citations:** WOS

**Citations:** 3

- 108** P. Soto; V.E. Boria; J.M. Catalá-Civera; N. Chouaib; M. Guglielmi; B. Gimeno. Analysis, Design and Experimental Verification of Microwave Filters for Safety Issues in Open-Ended Waveguide Systems. 901358 - IEEE Transactions on Microwave Theory and Techniques. 48 - 11, pp. 2133 - 2140. (United States of America): 2000. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/22.884205>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 6  
**Total no. authors:** 6  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 1.004 **Journal in the top 25%:** Yes  
**Position of publication:** 45 **No. of journals in the cat.:** 204  
**Source of citations:** WOS **Citations:** 3
- 109** E. Silvestre; M.A. Abián; B. Gimeno; A. Ferrando; M.V. Andrés; V.E. Boria. Analysis of Inhomogeneously Filled Waveguides Using a Bi-Orthonormal-Basis Method. 901358 - IEEE Transactions on Microwave Theory and Techniques. 48 - 4, pp. 589 - 596. (United States of America): 2000. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/22.842031>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3  
**Total no. authors:** 6  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 1.004 **Journal in the top 25%:** Yes  
**Position of publication:** 45 **No. of journals in the cat.:** 204  
**Source of citations:** WOS **Citations:** 9
- 110** J. L. Cruz; B. Ortega; M. V. Andrés; B. Gimeno; J. Capmany; L. Dong. Array Factor of a Phased Array Antenna Steered by a Chirped Fiber Grating Beamforming. 902915 - IEEE Photonics Technology Letters. 10 - 8, pp. 1153 - 1155. (United States of America): 1998. ISSN 1041-1135  
**DOI:** <https://doi.org/10.1109/68.701533>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 4  
**Total no. authors:** 6  
**Impact source:** ISI **Category:** OPTICS  
**Impact index in year of publication:** 1.791 **Journal in the top 25%:** Yes  
**Position of publication:** 7 **No. of journals in the cat.:** 47  
**Impact source:** ISI **Category:** PHYSICS, APPLIED  
**Impact index in year of publication:** 1.791 **Journal in the top 25%:** Yes  
**Position of publication:** 7 **No. of journals in the cat.:** 66  
**Source of citations:** WOS **Citations:** 4
- 111** B. Gimeno, M. Guglielmi. Multimode equivalent network representation for the Y-junction of rectangular waveguides. 908766 - IEE Proceedings-Microwaves Antennas and Propagation. 144 - 3, pp. 161 - 166. (United Kingdom): 1997. ISSN 1350-2417  
**DOI:** <https://doi.org/10.1049/ip-map:19971150>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1

**Total no. authors:** 2**Impact source:** ISI**Impact index in year of publication:** 0.38**Position of publication:** 92**Impact source:** ISI**Impact index in year of publication:** 0.38**Position of publication:** 16**Source of citations:** WOS**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** No**No. of journals in the cat.:** 193**Category:** TELECOMMUNICATIONS**Journal in the top 25%:** No**No. of journals in the cat.:** 38**Citations:** 0

- 112** T. M. Bordallo; J. Navasquillo; J. Soret; E. A. Navarro; B. Gimeno. Rigorous analysis of three-dimensional beam transmission through a dielectric slab. 908766 - IEE Proceedings-Microwaves Antennas and Propagation. 144 - 3, pp. 173 - 177. (United Kingdom): 1997. ISSN 1350-2417

**DOI:** <https://doi.org/10.1049/ip-map:19971191>**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 0.38**Position of publication:** 92**Impact source:** ISI**Impact index in year of publication:** 0.38**Position of publication:** 16**Source of citations:** WOS**Format:** Journal**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** No**No. of journals in the cat.:** 193**Category:** TELECOMMUNICATIONS**Journal in the top 25%:** No**No. of journals in the cat.:** 38**Citations:** 0

- 113** J. L. Cruz; B. Ortega; M. V. Andrés; B. Gimeno; D. Pastor; J. Capmany; L. Dong. Chirped fibre Bragg gratings for phased array antennas. 901326 - Electronics Letters. 33 - 7, pp. 545 - 546. (United Kingdom): 1997. ISSN 0013-5194

**DOI:** <https://doi.org/10.1049/el:19970407>**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 1.005**Position of publication:** 33**Source of citations:** WOS**Format:** Journal**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** Yes**No. of journals in the cat.:** 193**Citations:** 27

- 114** B. Gimeno, M. Guglielmi. Full Wave Network Representation for Rectangular, Circular and Elliptical to Elliptical Waveguide Junctions. 901358 - IEEE Transactions on Microwave Theory and Techniques. 45 - 3, pp. 376 - 384. (United States of America): 1997. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/22.563336>**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 2**Impact source:** ISI**Format:** Journal



**Impact index in year of publication:** 1.024

**Position of publication:** 31

**Source of citations:** WOS

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 193

**Citations:** 9

**115** Benito Gimeno, Marco Guglielmi. Multimode Equivalent Network Representation for Junctions between Coaxial and Circular Waveguides. 908034 - International Journal of Microwave and Millimeter-Wave Computer-Aided Engineering. 7 - 2, pp. 180 - 194. (United States of America): 1997. ISSN 1050-1827

**DOI:** [https://doi.org/10.1002/\(SICI\)1522-6301\(199703\)7:2<180::AID-MMCE3>3.0.CO;2-W](https://doi.org/10.1002/(SICI)1522-6301(199703)7:2<180::AID-MMCE3>3.0.CO;2-W)

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 2

**Total no. authors:** 2

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 0.325

**Journal in the top 25%:** No

**Position of publication:** 106

**No. of journals in the cat.:** 193

**Impact source:** ISI

**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

**Impact index in year of publication:** 0.325

**Journal in the top 25%:** No

**Position of publication:** 38

**No. of journals in the cat.:** 63

**Source of citations:** WOS

**Citations:** 0

**116** B. Gimeno, M. Guglielmi. Multimode equivalent network representation for planar junctions involving elliptical waveguides. 904693 - Microwave and Optical Technology Letters. 12 - 5, pp. 272 - 275. (United States of America): 1996. ISSN 0895-2477

**DOI:** [https://doi.org/10.1002/\(SICI\)1098-2760\(19960805\)12:5<272::AID-MOP8>3.0.CO;2-7](https://doi.org/10.1002/(SICI)1098-2760(19960805)12:5<272::AID-MOP8>3.0.CO;2-7)

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 1

**Total no. authors:** 2

**Impact source:** ISI

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 0.412

**Journal in the top 25%:** No

**Position of publication:** 79

**No. of journals in the cat.:** 176

**Impact source:** ISI

**Category:** OPTICS

**Impact index in year of publication:** 0.412

**Journal in the top 25%:** No

**Position of publication:** 31

**No. of journals in the cat.:** 46

**Source of citations:** WOS

**Citations:** 1

**117** A. Díez; B. Gimeno; J. Soret; J. Navasquillo. Experimental study of TE- and TM-scattering of an electromagnetic beam by a metal-strip grating. 902922 - Journal of Optics-Nouvelle Revue d'Optique. 27 - 6, pp. 279 - 285. (France): 1996. ISSN 0150-536X

**DOI:** <https://doi.org/10.1088/0150-536X/27/6/006>

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 2

**Total no. authors:** 4

**Impact source:** ISI

**Category:** OPTICS



**Impact index in year of publication:** 0.328  
**Position of publication:** 36

**Source of citations:** WOS

**Journal in the top 25%:** No  
**No. of journals in the cat.:** 46

**Citations:** 0

- 118** Benito Gimeno, Marco Guglielmi. Multimode Equivalent Network Representation for H- and E-plane Uniform Bends in Rectangular Waveguide. 901358 - IEEE Transactions on Microwave Theory and Techniques. 44 - 10, pp. 1679 - 1687. (United States of America): 1996. ISSN 0018-9480

**DOI:** <https://doi.org/10.1109/22.538959>

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 2

**Impact source:** ISI

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 1.08

**Position of publication:** 23

**Source of citations:** WOS

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 176

**Citations:** 9

- 119** B. Gimeno; A. Díez; J. Navasquillo; F. Pomer. Diffraction of an Electromagnetic Beam by Infinite Planar Periodic Metal-Strip Grating. 903764 - IEEE Transactions on Antennas and Propagation. 43 - 3, pp. 317 - 322. (United States of America): 1995. ISSN 0018-926X

**DOI:** <https://doi.org/10.1109/8.372004>

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 4

**Impact source:** ISI

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Impact index in year of publication:** 0.637

**Position of publication:** 40

**Impact source:** ISI

**Impact index in year of publication:** 0.637

**Position of publication:** 6

**Source of citations:** WOS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 146

**Category:** TELECOMMUNICATIONS

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 35

**Citations:** 1

- 120** E. A. Navarro; L. Gallart; J. L. Cruz; B. Gimeno; V. Such. Accurate absorbing boundary conditions for the FDTD analysis of H-plane waveguide discontinuities. 908766 - IEE Proceedings-Microwaves Antennas and Propagation. 141 - 1, pp. 59 - 61. (United Kingdom): 1994. ISSN 1350-2417

**DOI:** <https://doi.org/10.1049/ip-map:19949794>

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 0.469

**Position of publication:** 22

**Source of citations:** WOS

**Format:** Journal

**Category:** OPTICS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 35

**Citations:** 6



- 121** E. A. Navarro; V. Such; B. Gimeno; J. L. Cruz. T-Junctions in Square Coaxial Waveguide: A FD-TD Approach. 901358 - IEEE Transactions on Microwave Theory and Techniques. 42 - 2, pp. 347 - 350. (United States of America): 1994. ISSN 0018-9480  
**DOI:** <https://doi.org/10.1109/22.275270>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3  
**Total no. authors:** 4  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 1.004 **Journal in the top 25%:** Yes  
**Position of publication:** 21 **No. of journals in the cat.:** 139  
**Source of citations:** WOS **Citations:** 7
- 122** J. L. Cruz; B. Gimeno; E. A. Navarro; V. Such. Diffraction by a Rotman lens. 902922 - Journal of Optics-Nouvelle Revue d'Optique. 25 - 3, pp. 115 - 120. (France): 1994. ISSN 0150-536X  
**DOI:** <https://doi.org/10.1088/0150-536X/25/3/005>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 2  
**Total no. authors:** 4  
**Impact source:** ISI **Category:** OPTICS  
**Impact index in year of publication:** 0.4 **Journal in the top 25%:** No  
**Position of publication:** 26 **No. of journals in the cat.:** 35  
**Source of citations:** WOS **Citations:** 0
- 123** J. L. Cruz; B. Gimeno; E. A. Navarro; V. Such. The Phase Center Position of a Microstrip Horn Radiating in an Infinite Parallel-Plate Waveguide. 903764 - IEEE Transactions on Antennas and Propagation. 42 - 8, pp. 1185 - 1188. (United States of America): 1994. ISSN 0018-926X  
**DOI:** <https://doi.org/10.1109/8.310013>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 2  
**Total no. authors:** 4  
**Impact source:** ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC  
**Impact index in year of publication:** 0.806 **Journal in the top 25%:** Yes  
**Position of publication:** 31 **No. of journals in the cat.:** 139  
**Impact source:** ISI **Category:** TELECOMMUNICATIONS  
**Impact index in year of publication:** 0.806 **Journal in the top 25%:** Yes  
**Position of publication:** 4 **No. of journals in the cat.:** 35  
**Source of citations:** WOS **Citations:** 1
- 124** B. Gimeno; J. L. Cruz; E. A. Navarro; V. Such. A Polarizer Rotator System for Three-Dimensional Oblique Incidence. 903764 - IEEE Transactions on Antennas and Propagation. 42 - 7, pp. 912 - 919. (United States of America): 1994. ISSN 0018-926X  
**DOI:** <https://doi.org/10.1109/8.299592>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1  
**Total no. authors:** 4  
**Impact source:** ISI

**Impact index in year of publication:** 0.806**Position of publication:** 31**Impact source:** ISI**Impact index in year of publication:** 0.806**Position of publication:** 4**Source of citations:** WOS**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** Yes**No. of journals in the cat.:** 139**Category:** TELECOMMUNICATIONS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 35**Citations:** 3

- 125** J. L. Cruz; B. Gimeno; E. Navarro; V. Such. The reflection coefficient of a flared microstrip line radiating in an infinite parallel-plate waveguide. 904693 - Microwave and Optical Technology Letters. 6 - 2, pp. 127 - 131. (United States of America): 1993. ISSN 0895-2477

**DOI:** <https://doi.org/10.1002/mop.4650060213>**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 0.224**Position of publication:** 86**Impact source:** ISI**Impact index in year of publication:** 0.224**Position of publication:** 27**Source of citations:** WOS**Format:** Journal**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** No**No. of journals in the cat.:** 135**Category:** OPTICS**Journal in the top 25%:** No**No. of journals in the cat.:** 33**Citations:** 2

- 126** E. A. Navarro; B. Gimeno; J. L. Cruz. Modelling of periodic structures using the Finite Difference Time Domain method combined with the Floquet theorem. 901326 - Electronics Letters. 29 - 5, pp. 446 - 447. (United Kingdom): 1993. ISSN 0013-5194

**DOI:** <https://doi.org/10.1049/el:19930298>**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 3**Impact source:** ISI**Impact index in year of publication:** 1.095**Position of publication:** 19**Source of citations:** WOS**Format:** Journal**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** Yes**No. of journals in the cat.:** 135**Citations:** 15

- 127** E.A. Navarro; V. Such; J.L. Cruz; B. Gimeno. Analysis of rectangular waveguides with a rectangular metal insert using a Finite Difference Time Domain formulation. 000032 - Anales de Física. 89 - 3, pp. 149 - 155. (Spain): 1993. ISSN 1133-0376

**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 4**Format:** Journal

- 128** B. Gimeno; J. L. Cruz; E. A. Navarro; V. Such. Electromagnetic Scattering by a Strip Grating with Plane-Wave Three-Dimensional Oblique Incidence by Means of Decomposition into E-type and H-type Modes. 904703 - Journal of Electromagnetic Waves and Applications. 7 - 9, pp. 1201 - 1219. (Holland): 1993. ISSN 0920-5071



**DOI:** <https://doi.org/10.1163/156939393X00219>

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 0.523

**Position of publication:** 48

**Impact source:** ISI

**Impact index in year of publication:** 0.523

**Position of publication:** 41

**Impact source:** ISI

**Impact index in year of publication:** 0.523

**Position of publication:** 12

**Source of citations:** WOS

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 135

**Category:** PHYSICS, APPLIED

**Journal in the top 25%:** No

**No. of journals in the cat.:** 54

**Category:** PHYSICS, MATHEMATICAL

**Journal in the top 25%:** No

**No. of journals in the cat.:** 14

**Citations:** 2

- 129** B. Gimeno; J. L. Marquina; J. Navasquillo; F. Pomer. Electromagnetic scattering by a strip grating with nonplanar illumination. 904693 - Microwave and Optical Technology Letters. 6 - 14, pp. 813 - 815. (United States of America): 1993. ISSN 0895-2477

**DOI:** <https://doi.org/10.1002/mop.4650061411>

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 0.224

**Position of publication:** 86

**Impact source:** ISI

**Impact index in year of publication:** 0.224

**Position of publication:** 27

**Source of citations:** WOS

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 135

**Category:** OPTICS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 33

**Citations:** 2

- 130** E.A. Navarro; V. Such; B. Gimeno; J.L. Cruz. Analysis of H-plane waveguide discontinuities with an improved finite-difference time domain algorithm. 902913 - IEE Proceedings-H Microwaves Antennas and Propagation. 139 - 2, pp. 183 - 185. (Unknown): 1992.

**DOI:** <https://doi.org/10.1049/ip-h-2.1992.0034>

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 0.426

**Position of publication:** 18

**Source of citations:** WOS

**Format:** Journal

**Category:** OPTICS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 30

**Citations:** 6

- 131** B. Gimeno; V. Such; A.C. García; J.L. Cruz; E. Navarro. Transmission line model to analyze a multistage polarizer rotator. 904693 - Microwave and Optical Technology Letters. 4 - 3, pp. 113 - 117. (United States of America): 1991. ISSN 0895-2477





**DOI:** <https://doi.org/10.1002/mop.4650040308>

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 0.173

**Position of publication:** 73

**Impact source:** ISI

**Impact index in year of publication:** 0.173

**Position of publication:** 24

**Source of citations:** WOS

**Format:** Journal

**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC

**Journal in the top 25%:** No

**No. of journals in the cat.:** 116

**Category:** OPTICS

**Journal in the top 25%:** No

**No. of journals in the cat.:** 30

**Citations:** 2

**132** S. Anza; M. Mattes; J. Armendariz; J.Gil; C. Vicente; B. Gimeno; V. E. Boria; D. Raboso. Part 6: Ultra Wide Band Interaction. Chapter 7: RF breakdown prediction for microwave passive components in multi-carrier operation. Ultra-Wideband, Short-Pulse Electromagnetics 9. pp. 403 - 410. (United States of America): Springer, 2010. ISBN 978-1-4614-9499-7

**Type of production:** Book chapter

**Format:** Book

**Total no. authors:** 8

**133** Fermín Mira; Ángel A. San Blas; Vicente E. Boria; Benito Gimeno. Chapter 20: Wideband Representation of Passive Components based on Planar Waveguide Junctions. Microwave and Millimeter-Wave Technologies Modern UWB antennas and equipment (Edited by Prof. Igor Mini). pp. 389 - 414. Vukovar(Croatia): InTech - Open Access Publisher, 2010. ISBN 978-953-7619-67-1

**Type of production:** Book chapter

**Format:** Book

**Total no. authors:** 4

**134** Ángela Coves; Benito Gimeno; Miguel V. Andrés; Ángel A. San Blas; José V. Morro; Vicente E. Boria; Antonio M. Pérez. Chapter 7: Three-dimensional scattering of Dielectric Frequency-Selective Surfaces under plane-wave excitation. Periodic Structures. pp. 181 - 200. Kerala(India): Research Signpost, 2006. ISBN 81-308-0032-2

**Type of production:** Book chapter

**Format:** Book

**Total no. authors:** 7

**135** Ángela Coves; Benito Gimeno; Miguel V. Andrés; Ángel A. San Blas; Jordi Gil; Vicente E. Boria; José Vicente Morro; Ana Vidal. Chapter 12: Analysis and applications of Dielectric Frequency-Selective Surfaces under plane-wave excitation. Recent Research Developments in Microwave Theory and Techniques. 2, pp. 265 - 283. Kerala(India): Transworld Research Network, 2004. ISBN 81-7895-150-9

**Type of production:** Book chapter

**Format:** Book

**Total no. authors:** 8

**136** Marco Guglielmi; Vicente E. Boria; Benito Gimeno. Chapter 8: Alternative computation of admittance parameters. ADVANCED MODAL ANALYSYS. CAD Techniques for Waveguides Components and Filters. pp. 245 - 285. Chippenham, Wiltshire(United Kingdom): John Wiley & Sons, 2000. ISBN 0-471-97069-7

**Type of production:** Book chapter

**Format:** Book

**Total no. authors:** 3

**137** Marco Guglielmi; Vicente E. Boria; Giampiero Gerini; Benito Gimeno. Chapter 9: Coupling integrals. ADVANCED MODAL ANALYSYS. CAD Techniques for Waveguides Components and Filters. pp. 287 - 333. Chippenham, Wiltshire(United Kingdom): John Wiley & Sons, 2000. ISBN 0-471-97069-7

**Type of production:** Book chapter

**Format:** Book

**Total no. authors:** 4



- 138** Colaboración CLIC. THE COMPACT LINEAR COLLIDER (CLIC). 2018 SUMMARY REPORT. CERN-2018-005-M, pp. 1 - 98. Geneva(Switzerland): CERN Report Editorial Board, 2018. Available on-line at: <<http://creativecommons.org/licenses/by/4.0/>>. ISBN 978-92-9083-507-3  
**Legal deposit:** ISSN 2519-805X  
**Type of production:** Scientific-technical report
- 139** Benito Gimeno, Marco Guglielmi. COAX: Advanced CAD package for coaxial waveguide components (user manual). 1, pp. 1 - 22. Noordwijk(Holland): 2000.  
**Type of production:** Scientific-technical report  
**Total no. authors:** 2
- 140** V.E. Boria Esbert; G. Gerini; B. Gimeno Martínez; M. Guglielmi. DUMAS3C: A CAD Tool for Dual-mode Filters (User and Installation Manual). 1, pp. 1 - 63. Noordwijk(Holland): 1998.  
**Type of production:** Scientific-technical report  
**Total no. authors:** 4
- 141** Benito Gimeno, Marco Guglielmi. Advanced CAD packages for passive waveguide components. 1, pp. 1 - 124. Noordwijk(Holland): 1996.  
**Type of production:** Scientific-technical report  
**Total no. authors:** 2
- 142** Benito Gimeno Martínez. Estudio electromagnético de estructuras planas infinitas conductoras con periodicidad unidimensional de cintas impresas en dieléctrico. Aplicación al diseño de giradores de polarización de microondas. Volumen I y II (Programas). pp. 1 - 325. Valencia(Spain): 1992.  
**Type of production:** Scientific-technical report  
**Total no. authors:** 1
- 143** Benito Gimeno Martínez. Estudio de un polarizador multietapa de microondas compuesto de varillas conductoras. pp. 1 - 174. Valencia(Spain): 1989.  
**Type of production:** Scientific-technical report  
**Total no. authors:** 1

### Works submitted to national or international conferences

- 1** **Title of the work:** Commissioning of IFIC High Gradient RF Laboratory to test S band accelerating structures for hadron-therapy accelerators  
**Name of the conference:** 8th International Workshop on Mechanisms of Vacuum Arcs (MeVArc 2019)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** Padova, Italy  
**Date of event:** 2019  
**End date:** 2019  
**Organising entity:** 5071 - CERN  
C. Blanch; D. Esperante; M. Boronat; J. Fuster; D. Gonzalez Iglesias; A. Vnuchenko; B. Gimeno; D. Bañon Caballero; N. Catalán Lasheras; G. Mcmonagle; I. Syratchev; B. Woolley; W. Wuensch; A. Faus Golfe.  
"<https://indico.cern.ch/event/774138/overview>".
- 2** **Title of the work:** Exploring of advances in high gradient technologies for use in hadron therapy accelerators  
**Name of the conference:** International Conference on Medical Accelerators and Particle Therapy 2019



**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Sevilla, Spain  
**Date of event:** 2019  
**End date:** 2019  
**Organising entity:** 5071 - CERN  
Anna Vnuchenko; Benito Gimeno Martínez; Ángeles Faus Golfe; Walter Wuensch.  
"<https://indico.cern.ch/event/803528/overview>".

**3** **Title of the work:** Field emission, multipactor and SiC loads  
**Name of the conference:** International Workshop on Breakdown Science and High Gradient Technology (HG2019)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Chamonix, France  
**Date of event:** 2019  
**End date:** 2019  
**Organising entity:** 5071 - CERN  
David Bañón Caballero; Walter Wuensch; Benito Gimeno Martínez; Ángeles Faus Golfe.  
"<https://indico.cern.ch/event/766929/overview>".

**4** **Title of the work:** Operation of the Valencia S-band highpower test stand and current activities  
**Name of the conference:** International Workshop on Breakdown Science and High Gradient Technology (HG2019)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Chamonix, France  
**Date of event:** 2019  
**End date:** 2019  
**Organising entity:** 5071 - CERN  
M. Boronat; C. Blanch; D. Esperante; J. Fuster; B. Gimeno; D. González; A. Vnuchenko.  
"<https://indico.cern.ch/event/766929/overview>".

**5** **Title of the work:** Design of an X-band RF electron gun injector for an Xray coherent radiation source  
**Name of the conference:** XIII Iberian Meeting On Computational Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Potes (Cantabria), Spain  
**Date of event:** 2019  
**End date:** 2019  
Daniel González-Iglesias; Daniel Esperante; Marçá Boronat; César Blanch; Benito Gimeno; Juan Fuster; Avni Aksoy. "Abstracts of the XIII Iberian Meeting On Computational Electromagnetics ([www.eiec2019.unican.es/](http://www.eiec2019.unican.es/))".

**6** **Title of the work:** High-power RF laboratory at IFIC for linear accelerators used in hadrontherapy medical applications  
**Name of the conference:** XIII Iberian Meeting On Computational Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Potes (Cantabria), Spain  
**Date of event:** 2019  
**End date:** 2019



Daniel Esperante Pereira; César Blanch; Marçá Boronat; Juan Fuster; Benito Gimeno; Daniel González-Iglesias; David Bañón. "Abstracts of the XIII Iberian Meeting On Computational Electromagnetics (www.eiec2019.unican.es/)".

- 7** **Title of the work:** Combined field emission and multipactor simulation in high gradient RF accelerating structures  
**Name of the conference:** 10th International Particle Accelerator Conference IPAC 2019  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Melbourne, Australia  
**Date of event:** 2019  
**End date:** 2019  
**Organising entity:** 15871 - IPAC **Type of entity:** \*\*Centres de Recerca  
D. Bañón Caballero; W. Wuensch; K. Szypula; N. Catalán Lasheras; B. Gimeno; A. Faus Golfe.  
"doi:10.18429/JACoW-IPAC2019-WEPRB058".
- 8** **Title of the work:** Dark current analysis at CERN's X-band facility  
**Name of the conference:** 10th International Particle Accelerator Conference IPAC 2019  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Melbourne, Australia  
**Date of event:** 2019  
**End date:** 2019  
**Organising entity:** 15871 - IPAC **Type of entity:** \*\*Centres de Recerca  
D. Bañón Caballero; V. Sánchez; M. Boronat; N. Catalán-Lasheras; A. Vnuchenko; J. Paszkiewicz; V. del Pozo Romano; S. Pitman; M. Wadorski; W. Wuensch; W.L. Millar; M. Volpi; T.G. Lucas; B. Gimeno; A. Faus Golfe. "doi:10.18429/JACoW-IPAC2019-WEPRB059".
- 9** **Title of the work:** A New Multipactor Effect Model for Dielectric-Loaded Rectangular Waveguides  
**Name of the conference:** 2019 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF (NEMO)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Cambridge (Massachusetts), United States of America  
**Date of event:** 2019  
**End date:** 2019  
**Organising entity:** 2282 - IEEE  
Andrés Berenguer; Ángela Coves; Francisco Mesa; Enrique Bronchalo; Benito Gimeno.  
"https://nemo-ieee.org/2019/index.html".
- 10** **Title of the work:** CompactLight Design Study  
**Name of the conference:** 10th International Particle Accelerator Conference IPAC 2019  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Melbourne, Australia  
**Date of event:** 2019  
**End date:** 2019  
**Organising entity:** 15871 - IPAC **Type of entity:** \*\*Centres de Recerca  
G. D'Auria; S. Di Mitri; R. Rochow; A. Latina; X. Liu; C. Rossi; D. Schulte; S. Stapnes; X. Wu; W. Wuensch; H. Castaneda Cortes; J. Clarke; D. Dunning; N. Thompson; W. Fang; E. Gazis; N. Gazis; E. Tanke; E. Trachanas; V. Goryashko; M. Jacewicz; R. Ruber; G. Taylor; R. Dowd; D. Zhu; A. Aksoy; Z. Negriz; R. Apsimon; G. Burt; A. Castilla; H. Priem; X. Janssen; J. Luiten; P. Mutsaers; X. Stragier; D. Alesini;



M. Bellaveglia; B. Buonomo; F. Cardelli; M. Croia; M. Diomede; M. Ferrario; A. Gallo; A. Giribono; L. Piersanti; B. Spataro; C. Vaccarezza; R. Geometrante; M. Kokole; J. Arnesano; F. Bosco; L. Ficcadenti; A. Mostacci; L. Palumbo; G. Dattoli; F. Nguyen; A. Petralia; J. Marcos; E. Marin; R. Munoz Horta; F. Pérez; A. Faus-Golfe; Y. Han; A. Bernhard; J. Gethmann; M. Calvi; T. Schmidt; K. Zhang; D. Esperante; J. Fuster; B. Gimeno; D. González-Iglesias; M. Aicheler; R. Hoekstra; A. W. Cross; L. Nix; L. Zhang. "doi:10.18429/JACoW-IPAC2019-TUPRB032".

**11 Title of the work:** Dark Current Simulations

**Name of the conference:** Compact Linear International Collider (CLIC) Workshop 2019

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** CERN (Geneve), Switzerland

**Date of event:** 2019

**End date:** 2019

**Organising entity:** 5071 - CERN

David Bañón Caballero; Walter Wuensch; Benito Gimeno Martínez; Ángeles Faus Golfe. "<https://indico.cern.ch/event/753671/page/14540-overview>".

**12 Title of the work:** Estudio de la sintonización electrónica en tecnología guía de onda a temperaturas criogénicas para un detector de axiones de materia oscura

**Name of the conference:** XXXIV Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2019

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Sevilla, Spain

**Date of event:** 2019

**End date:** 2019

**Organising entity:** 16576 - URSI

**Type of entity:** \*\*Telecomunicacions

Jose María García Barceló; Antonio Lozano Guerrero; Alejandro Álvarez Melcón; Benito Gimeno Martínez; Pablo Navarro Martínez; Alejandro Díaz Morcillo; Sergio Arguedas Cuendis; Babette Döbrich; Walter Wuensch; Jessica Golm; Chloe Malbrunot; Cristian Cogollos Triviño; Igor G. Irastorza; Javier Redondo Martín; Juan Daniel Gallego; Carlos Peña Garay. "Actas de la URSI 2019".

**13 Title of the work:** Técnicas numéricas avanzadas para el cálculo del campo electrostático en guías de onda rectangulares con dieléctrico

**Name of the conference:** XXXIV Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2019

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Sevilla, Spain

**Date of event:** 2019

**End date:** 2019

**Organising entity:** 16576 - URSI

**Type of entity:** \*\*Telecomunicacions

A. Berenguer; A. Coves; E. Bronchalo; F. Mesa; B. Gimeno. "Actas de la URSI 2019".

**14 Title of the work:** Nuevo modelo del efecto multipactor para guías rectangulares parcialmente rellenas de dieléctrico

**Name of the conference:** XXXIV Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2019

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Sevilla, Spain

**Date of event:** 2019



**End date:** 2019

**Organising entity:** 16576 - URSI

**Type of entity:** \*\*Telecomunicacions

Andrés Berenguer Alonso; Ángela Coves Soler; Francisco Mesa Ledesma; Enrique Bronchalo Bronchalo; Benito Gimeno Martínez. "Actas de la URSI 2019".

**15 Title of the work:** High-Power RF Laboratory at IFIC for linear accelerators used in hadrontherapy medical applications

**Name of the conference:** 17th International Conference on Microwave and High Frequency Heating AMPERE 2019

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Valencia, Spain

**Date of event:** 2019

**End date:** 2019

**Organising entity:** 16574 - AMPERE

**Type of entity:** \*\*Altres organismes

Daniel Esperante; César Blanch; Marçà Boronat; Daniel González-Iglesias; Benito Gimeno; Juan Fuster; Anna Vnuchenko; Walter Wuensch; Nuria Catalán-Lasheras; Ángeles Faus-Golfe. "Proceedings of 17th International Conference on Microwave and High Frequency Heating AMPERE 2019".

**16 Title of the work:** Status of the CompactLight Design Study

**Name of the conference:** 39th International Free Electron Laser Conference (FEL 2019)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - poster

**City of event:** Hamburgo, Germany

**Date of event:** 2019

**End date:** 2019

**Organising entity:** 16575 - European XFEL

**Type of entity:** \*\*Altres organismes

G. D'Auria; S. Di Mitri; R. Rochow; A. Latina; X. Liu; C. Rossi; D. Schulte; S. Stapnes; X. Wu; W. Wuensch; H. Castaneda Cortes; J. Clarke; D. Dunning; N. Thompson; W. Fang; E. Gazis; N. Gazis; E. Tanke; E. Trachanas; V. Goryashko; M. Jacewicz; R. Ruber; G. Taylor; R. Dowd; D. Zhu; A. Aksoy; Z. Negriz; R. Apsimon; G. Burt; A. Castilla; H. Priem; X. Janssen; J. Luiten; P. Mutsaers; X. Stragier; D. Alesini; M. Bellaveglia; B. Buonomo; F. Cardelli; M. Croia; M. Diomede; M. Ferrario; A. Gallo; A. Giribono; L. Piersanti; B. Spataro; C. Vaccarezza; R. Geometrante; M. Kokole; J. Arnesano; F. Bosco; L. Ficcadenti; A. Mostacci; L. Palumbo; G. Dattoli; F. Nguyen; A. Petralia; J. Marcos; E. Marin; R. Munoz Horta; F. Pérez; A. Faus-Golfe; Y. Han; A. Bernhard; J. Gethmann; M. Calvi; T. Schmidt; K. Zhang; D. Esperante; J. Fuster; B. Gimeno; D. González-Iglesias; M. Aicheler; R. Hoekstra; A. W. Cross; L. Nix; L. Zhang. "www.fel2019.org".

**17 Title of the work:** Diseño de un RF gun para un laser de electrones libres (FEL)

**Name of the conference:** Jornadas de la red española de futuros colisionadores

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2018

**End date:** 2018

**Organising entity:** 14802 - Instituto de Física Corpuscular (IFIC), CSIC-Universitat de València

**Type of entity:** \*\*Centres de Recerca

D. Esperante; C. Blanch; M. Boronat; J. Fuster; B. Gimeno; A. Vnuchenko. "indico.ific.uv.es/event/3225".

**18 Title of the work:** Dark Current simulations and related experiments

**Name of the conference:** International Workshop on Mechanisms of Vacuum Arcs - Mini MeVArc meeting 2018

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication



**City of event:** Uppsala, Sweden

**Date of event:** 2018

**End date:** 2018

**Organising entity:** 5071 - CERN

David Bañón Caballero; Walter Wuensch; Benito Gimeno Martínez; Ángeles Faus Golfe.  
"https://indico.cern.ch/event/750619/".

- 19** **Title of the work:** Analysis of the multipactor effect with RF pulsed signals  
**Name of the conference:** XII Iberian Meeting On Computational Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Coimbra, Portugal  
**Date of event:** 2018  
**End date:** 2018  
D. González-Iglesias; Ó. Monerris; M. E. Díaz; B. Gimeno; V. E. Boria; D. Raboso; Á. Covas. "Abstracts of the XII Iberian Meeting On Computational Electromagnetics".
- 20** **Title of the work:** Microwave Based Experiment for Measuring Field Emission, Multipactor and Breakdown Current  
**Name of the conference:** International Workshop on Breakdown Science and High Gradient Technology (HG2018)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Shanghai, China  
**Date of event:** 2018  
**End date:** 2018  
**Organising entity:** 5071 - CERN  
David Bañón Caballero; Walter Wuensch; Benito Gimeno Martínez; Ángeles Faus Golfe.  
"https://indico.cern.ch/event/675785/".
- 21** **Title of the work:** Construction and commissioning of the S-band High-Gradient RF Laboratory at IFIC  
**Name of the conference:** 9th International Particle Accelerator Conference IPAC 2018  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - poster  
**City of event:** Vancouver, Canada  
**Date of event:** 2018  
**End date:** 2018  
**Organising entity:** 15871 - IPAC **Type of entity:** \*\*Centres de Recerca  
D. Esperante; C. Blanch; M. Boronat; J. Fuster; D. González Iglesias; A. Vnuchenko; B. Gimeno; N. Catalán Lasheras; G. Mcmonagle; I. Syrathev; W. Wuensch; A. Faus Golfe.  
"https://doi.org/10.18429/JACoW-IPAC2018-THPAL005".
- 22** **Title of the work:** The 3 cavity prototypes of RADES, an axion detector using microwave filters at CAST  
**Name of the conference:** 3rd Axion Cavity and Detector Workshop  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Livermore Valley Open Campus, United States of America  
**Date of event:** 2018  
**End date:** 2018  
**Organising entity:** 15872 - Lawrence Livermore National Laboratory **Type of entity:** \*\*Administracions Públiques



S. Arguedas Cuendis; A. Álvarez Melcón; C. Cogollos; A. Díaz-Morcillo; B. Döbrich; J. D. Gallego; B. Gimeno; I. G. Irastorza; A. J. Lozano-Guerrero; C. Malbrunot; P. Navarro; C. Peña Garay; J. Redondo; T. Vafeiadis; W. Wuensch. "Proceedings for the 3rd Axion Cavity and Detector Workshop".

- 23** **Title of the work:** Design of a Narrow-Band Filter Based on the Brewster phenomenon for microwave applications  
**Name of the conference:** General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS), 2017 XXXIInd  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Montreal, Canada  
**Date of event:** 2017  
**End date:** 2017  
Ángela Covés; Stephan Marini; Benito Gimeno; Daniel Sánchez; Ana Rodríguez; Vicente Boria. "Proceedings of General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS), 2017 XXXIInd".
- 24** **Title of the work:** Analysis of the multipactor effect by means of the 3-D BI-RME method  
**Name of the conference:** 2017 Progress In Electromagnetics Research Symposium PIERS  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** St Petesburg, Russia  
**Date of event:** 2017  
**End date:** 2017  
A. A. San Blas; B. Gimeno; V. E. Boria; E. Bronchalo. "Proceedings of 2017 Progress In Electromagnetics Research Symposium PIERS".
- 25** **Title of the work:** Generación de señales multi-portadora en la zona crítica del componente de RF  
**Name of the conference:** XXXII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2017  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Cartagena (Murcia), Spain  
**Date of event:** 2017  
**End date:** 2017  
Óscar Monerris-Belda; Elena Díaz Caballero; Vicente E. Boria; Benito Gimeno. "Actas de la URSI 2017".
- 26** **Title of the work:** Análisis del efecto multipactor mediante el método BI-RME 3D  
**Name of the conference:** XXXII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2017  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Cartagena (Murcia), Spain  
**Date of event:** 2017  
**End date:** 2017  
A. A. San Blas; B. Gimeno; V. E. Boria. "Actas de la URSI 2017".
- 27** **Title of the work:** Novel Multipactor Studies in RF Satellite Payloads: Single-Carrier Digital Modulated Signals and Ferrite Materials  
**Name of the conference:** 2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO)  
**Type of event:** Conference **Geographical area:** International





**Type of participation:** Participatory - invited/keynote talk

**City of event:** Seville, Spain

**Date of event:** 2017

**End date:** 2017

D. González-Iglesias; Ó. Monerris; B. Gimeno; M. E. Díaz; V. E. Boria; P. Martín; Á. Gómez; Ó. Fernández; A. Vegas; F. Casas; S. Anza; C. Vicente; J. Gil; R. Mata; I. Montero; D. Raboso. "Proceedings of Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO), 2017 IEEE MTT-S International".

**28 Title of the work:** Multi Frequency Diagnostic Cavity for RF Breakdown Analysis

**Name of the conference:** International Workshop on Breakdown Science and High Gradient Technology HG2017

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** 'Participatory - poster

**City of event:** Valencia, Spain

**Date of event:** 2017

**End date:** 2017

**Organising entity:** 5071 - CERN

D. Bañón; B. Gimeno; W. Wuensch; A. Faus Golfe. "indico.cern.ch/event/589548".

**29 Title of the work:** Experimental Study of Multipactor Susceptibility Curves in Coaxial Lines

**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** ESA/ESTEC, Noordwijk, Holland

**Date of event:** 2017

**End date:** 2017

**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca

M. Reglero; M. Taroncher; R. Moreno; J. Vague; R. Mata; D. González; B. Gimeno; V. Boria; D. Raboso. "Proceedings of MULCOPIIM 2017".

**30 Title of the work:** Impact of the multipactor discharge on the digital signal integrity

**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** ESA/ESTEC, Noordwijk, Holland

**Date of event:** 2017

**End date:** 2017

**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca

Oscar Monerris Belda; Daniel Gonzalez-Iglesias; Vicente E. Boria; Benito Gimeno; David Raboso. "Proceedings of MULCOPIIM 2017".

**31 Title of the work:** Theoretical approach to the experimental venting rate measurements of gas evacuation from space devices

**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** ESA/ESTEC, Noordwijk, Holland

**Date of event:** 2017



**End date:** 2017

**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca  
R. Mata; J. M. Socuélamos; D. Bañón L. Esteve; B. Gimeno; V. Boria; D. Raboso. "Proceedings of MULCOPIIM 2017".

- 32** **Title of the work:** Study of the charge processes involved in the secondary electron emission yield measurements of dielectric materials  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca  
R. Mata; L. Mercadé; D. Bañón; J. M. Socuellamos; B. Gimeno; V. Boria; D. Raboso. "Proceedings of MULCOPIIM 2017".
- 33** **Title of the work:** Study of the multipactor effect inside non-rectangular iris  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca  
V. E. Semenov; E. I. Rakova; E. Sorolla; D. González-Iglesias; Ó. Monerris; B. Gimeno; V. E. Boria; J. Puech; J. Sombrin. "Proceedings of MULCOPIIM 2017".
- 34** **Title of the work:** Full-wave Multipactor Analysis Inside Non-Rectangular Iris  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca  
Edén Sorolla; V. E. Semenov; E. I. Rakova; J. Sombrin; J. Puech; B. Gimeno. "Proceedings of MULCOPIIM 2017".
- 35** **Title of the work:** Secondary electron emission yield measurements on devices and Aluminium surface as a function of temperature  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca



R. Mata; D. Bañón; J. M. Socuélamos; B. Gimeno; V. Boria; D. Raboso. "Proceedings of MULCOPIIM 2017".

- 36** **Title of the work:** Influence of the angle of incidence of primary electrons on the total secondary electron yield  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca Enrique Bronchalo; Ángela Coves; Isabel Montero; Leandro Olano; Rafael Mata; Benito Gimeno; Vicente E. Boria. "Proceedings of MULCOPIIM 2017".
- 37** **Title of the work:** SEY of Chromate-Free Treatments of Aluminum for RF Devices  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca I. Montero; D. Raboso; J. Puech; L. Olano; R. Mata; B. Gimeno; V. E. Boria; U. Wochner; P. Mader; J. M. Montero; P. Magnusson; J. Wettergren. "Proceedings of MULCOPIIM 2017".
- 38** **Title of the work:** Secondary Emission Yield and Electron Emission Spectra of Pt: Experimental Study and Comparison with Models in the Multipactor Energy Range  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca Enrique Bronchalo; Ángela Coves; Rafael Mata; Benito Gimeno; Isabel Montero; Luis Galán; Vicente E. Boria; Laura Mercadé; Esteban Sanchís-Kilders. "Proceedings of MULCOPIIM 2017".
- 39** **Title of the work:** Multipactor and long-pulse phenomena  
**Name of the conference:** International Workshop on Breakdown Science and High Gradient Technology HG2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Valencia, Spain  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** 5071 - CERN  
Benito Gimeno Martínez; co-workers. "indico.cern.ch/event/589548".



- 40** **Title of the work:** Novel investigation of Multipactor Effect in Ferrite and other Dielectrics used in high power RF Space Hardware  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca  
S. Anza; D. González-Iglesias; J. Vague; A. Gómez; I. Montero; L. Olano; Ó. Fernandez; A. Vegas; F. Casas; R. Mata; C. Vicente; J. Gil; B. Gimeno; V.E. Boria; D. Raboso. "Proceedings of MULCOPIIM 2017".
- 41** **Title of the work:** Analysis of the multipactor effect in a coaxial line excited with digitally modulated signals  
**Name of the conference:** 9th International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2017  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2017  
**End date:** 2017  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca  
D. González-Iglesias; Ó. Monerris; B. Gimeno; M. E. Díaz; V. E. Boria; P. Martín Iglesias; D. Raboso; P. Angeletti. "Proceedings of MULCOPIIM 2017".
- 42** **Title of the work:** Multipactor Testing and Emerging Qualification Protocols  
**Name of the conference:** 46th European Microwave Conference EuMW 2016  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** London, United Kingdom  
**Date of event:** 2016  
**End date:** 2016  
O. Monerris Belda; D. Argilés; V.E Boria; B.Gimeno; D. Raboso; P. Angeletti. "Proceedings of the 46th European Microwave Conference EuMW 2016".
- 43** **Title of the work:** Analysis of Multipactor RF Breakdown in a Parallel-Plate Waveguide Containing a Transversely Magnetized Ferrite  
**Name of the conference:** XI Iberian Meeting On Computational Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Las Caldas (Asturias), Spain  
**Date of event:** 2016  
**End date:** 2016  
D. González-Iglesias; Á. Gómez; B. Gimeno; A. Vegas; F. Casas; S. Anza; C. Vicente; J. Gil; R. Mata; I. Montero; V. E. Boria; D. Raboso. "Abstracts of the XI Iberian Meeting On Computational Electromagnetics".
- 44** **Title of the work:** Analysis of the Multipactor Effect in a Coaxial Transmission Line under the Excitation of Digitally Modulated Signals  
**Name of the conference:** XI Iberian Meeting On Computational Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Las Caldas (Asturias), Spain



**Date of event:** 2016

**End date:** 2016

D. González-Iglesias; Ó. Monerris; B. Gimeno; M. E. Díaz; V. E. Boria; P. Martín. "Abstracts of the XI Iberian Meeting On Computational Electromagnetics".

**45 Title of the work:** Design of Narrow-Band Filters Based on Dielectric Waveguide Gratings under Plane Wave Excitations

**Name of the conference:** XI Iberian Meeting On Computational Electromagnetics

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Las Caldas (Asturias), Spain

**Date of event:** 2016

**End date:** 2016

Ángela Coves; Stephan Marini; Benito Gimeno; Daniel Sánchez; Ana Rodríguez; Vicente Boria. "Abstracts of the XI Iberian Meeting On Computational Electromagnetics".

**46 Title of the work:** Diseño de Filtros Guiada para un Sistema de Detección de Axiones de Materia Oscura  
**Name of the conference:** XXXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2016

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Madrid, Spain

**Date of event:** 2016

**End date:** 2016

Alejandro Pons Abenza; Alejandro Álvarez Melcón; Fernando D. Quesada Pereira; Benito Gimeno Martínez; Cristian Cogollos Triviño; Carlos Peña Garay; Igor García Irastorza; Javier Redondo Martín; Babette Döbrich. "Actas de la URSI 2016".

**47 Title of the work:** Análisis de efectos de mecanizado en uniones multi-puerto compensadas

**Name of the conference:** XXXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2016

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Madrid, Spain

**Date of event:** 2016

**End date:** 2016

A. A. San Blas; V. E. Boria; B. Gimeno; S. Cogollos. "Actas de la URSI 2016".

**48 Title of the work:** Nuevos Métodos de Ensayo del Efecto Multipactor

**Name of the conference:** XXXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2016

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Madrid, Spain

**Date of event:** 2016

**End date:** 2016

Òscar Monerris Belda; David Raboso; Vicente E. Boria; Benito Gimeno; David Argilés. "Actas de la URSI 2016".



- 49** **Title of the work:** Estudio del efecto multipactor en líneas de transmisión coaxial con señales de RF pulsadas  
**Name of the conference:** XXXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2016  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Madrid, Spain  
**Date of event:** 2016  
**End date:** 2016  
D. González Iglesias; O. Monerris Belda; B. Gimeno; V. E. Boria; D. Raboso. "Actas de la URSI 2016".
- 50** **Title of the work:** Calculation of the electrostatic field in a dielectric-loaded waveguide due to an arbitrary charge distribution on the dielectric layer  
**Name of the conference:** XXXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2016  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Madrid, Spain  
**Date of event:** 2016  
**End date:** 2016  
A. Berenguer; A. Coves; E. Bronchalo; F. Mesa; B. Gimeno; V. Boria. "Actas de la URSI 2016".
- 51** **Title of the work:** Study of Periodic Dielectric Frequency-selective Surfaces under 3D Plane Wave Incidence  
**Name of the conference:** 2016 Progress In Electromagnetics Research Symposium PIERS  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Shanghai, China  
**Date of event:** 2016  
**End date:** 2016  
A. Coves; S. Marini; B. Gimeno; V. E. Boria. "Proceedings of 2016 Progress In Electromagnetics Research Symposium PIERS".
- 52** **Title of the work:** Recent Advances of the Multipactor RF Breakdown in RF Satellite Microwave Passive Devices  
**Name of the conference:** 2016 Progress In Electromagnetics Research Symposium PIERS  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Shanghai, China  
**Date of event:** 2016  
**End date:** 2016  
D. González-Iglesias; A. M. Pérez; O. Monerris; S. Anza; J. Vague; B. Gimeno; V. E. Boria; Á. Gomez; A. Vegas; E. Díaz; D. Raboso; A. Coves. "Proceedings of 2016 Progress In Electromagnetics Research Symposium PIERS".
- 53** **Title of the work:** Calculation of the Electrostatic Field in a Dielectric-loaded Waveguide Due to an Arbitrary Charge Distribution on the Dielectric Layer  
**Name of the conference:** 2016 Progress In Electromagnetics Research Symposium PIERS  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Shanghai, China  
**Date of event:** 2016



**End date:** 2016

A. Berenguer; A. Coves; F. Mesa; E. Bronchalo; B. Gimeno; V. Boria. "Proceedings of 2016 Progress In Electromagnetics Research Symposium PIERS".

**54 Title of the work:** Multipactor effect induced by very high-energy electrons

**Name of the conference:** CALIFES Workshop 2016 (CERN)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** CERN (Geneva), Switzerland

**Date of event:** 2016

**End date:** 2016

**Organising entity:** 5071 - CERN

Benito Gimeno, Daniel González-Iglesias. "<https://indico.cern.ch/event/533052/>".

**55 Title of the work:** RF Breakdown analysis for space microwave components in realistic scenarios: digital modulated signals. Application to Galileo Navigation system

**Name of the conference:** Mini MeVArc meeting 2016 CERN

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** CERN (Geneva), Switzerland

**Date of event:** 2016

**End date:** 2016

**Organising entity:** 5071 - CERN

Benito Gimeno; Daniel González-Iglesias; Silvia Teixeira; Olof Malmödin; Petronilo Martín; Óscar Moneris; Davide Smacchia; Vicente E. Boria; David Raboso; David Argilés. "<https://indico.cern.ch/event/464716/>".

**56 Title of the work:** Development of filter-like cavities for axion DM searches (RADES project)

**Name of the conference:** Axions and IAXO in Spain 2016

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Zaragoza, Spain

**Date of event:** 2016

**End date:** 2016

**Organising entity:** UNZA - Universidad de Zaragoza **Type of entity:** \*\*Universitats

A. Pons Abenza; F. Quesada Pereira; A. Álvarez Melcón; B. Gimeno; C. Cogollos; C. Peña; I. Garcia; J. Redondo; B. Döbrich. "<https://indico.cern.ch/event/574412/>".

**57 Title of the work:** Development of a Software Tool for the Study of RF Breakdown for Realistic Scenarios: Multicarrier and Modulated Signals. ESA EXPRESS PROCUREMENT (EXPRO), Ref: RFP/D ipl-pte/glc/mo/289.2014

**Name of the conference:** Final Presentation Days - Payload Technologies and Products ESA/ESTEC

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Noordwijk, Spain

**Date of event:** 2016

**End date:** 2016

**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca

Benito Gimeno; Daniel González-Iglesias; Vicente E. Boria; David Argilés.



- 58** **Title of the work:** CAD of multiplexers for PIM measurement set-ups  
**Name of the conference:** Final Presentation Days - Payload Technologies and Products ESA/ESTEC  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Noordwijk, Spain  
**Date of event:** 2016  
**End date:** 2016  
**Organising entity:** ESAG - European Space Agency **Type of entity:** \*\*Centres de Recerca  
P. Soto; C. Carceller; V.E. Boria; M. Guglielmi; D. Smacchia; J. Gil;  
C. Vicente; B. Gimeno; D. Raboso; ESA/ESTEC PTECH Group.  
"<https://artes.esa.int/news/final-presentation-days-payload-technologies-and-products>".
- 59** **Title of the work:** 'Slab Waveguides: General Formulation in Terms of a Dyadic Surface Impedance'  
**Name of the conference:** 9th Iberoamerican Optics Meeting and 12th Latin American Meeting on Optics, Lasers, and Their Applications (RIO 2016)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** Pucón, 20 - 25 Noviembre 2016, Chile  
**Date of event:** 2016  
**End date:** 2016  
R. Archilés-Prohias; B. Gimeno; M. V. Andrés. "Actas del congreso, p. 308 (paper PS3-17)".
- 60** **Title of the work:** CAD of Multiplexers for PIM Measurement Set-ups  
**Name of the conference:** International Workshop on Microwave Filters (ESA-CNES) 2015  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Toulouse, France  
**Date of event:** 2015  
**End date:** 2015  
Vicente E. Boria; Carlos Carceller; Pablo Soto; Marco Guglielmi; Davide Smacchia; Benito Gimeno; Jordi Gil; Carlos Vicente; David Raboso. "Proceedings of International Workshop on Microwave Filters (ESA-CNES) 2015".
- 61** **Title of the work:** Study of the Multipactor effect in Ferrite materials for spacial high power RF devices: parallel-plate waveguide partially filled with a ferrite slab  
**Name of the conference:** X Iberian Meeting On Computational Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Baeza (Jaén), Spain  
**Date of event:** 2015  
**End date:** 2015  
D. Gonzalez-Iglesias; Á . Gómez; B. Gimeno; A. Vegas; F. Casas; S. Anza; C. Vicente; J. Gil; R. Mata; I. Montero; V. E. Boria; D. Raboso. "Abstracts of the X Iberian Meeting On Computational Electromagnetics".
- 62** **Title of the work:** Analysis of the multipactor mitigation in coaxial waveguides by means of the use of static magnetic fields  
**Name of the conference:** X Iberian Meeting On Computational Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Baeza (Jaén), Spain  
**Date of event:** 2015  
**End date:** 2015





D. González-Iglesias; A. M. Pérez; S. Anza; J. Vague; B. Gimeno; V. E. Boria; D. Raboso; C. Vicente; J. Gil; L. Conde. "Abstracts of the X Iberian Meeting On Computational Electromagnetics".

**63 Title of the work:** Analysis and Design of Multiport Waveguide Junctions considering Mechanization Effects

**Name of the conference:** X Iberian Meeting On Computational Electromagnetics

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Baeza (Jaén), Spain

**Date of event:** 2015

**End date:** 2015

A. A. San-Blas; V. E. Boria; B. Gimeno; A. Coves; S. Cogollos. "Abstracts of the X Iberian Meeting On Computational Electromagnetics".

**64 Title of the work:** Computation of Ohmic Losses in Arbitrarily Shaped Waveguide Structures Using Perturbation of Boundary Conditions and BI-RME Method

**Name of the conference:** X Iberian Meeting On Computational Electromagnetics

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Baeza (Jaén), Spain

**Date of event:** 2015

**End date:** 2015

S. Marini; P. Soto; M. Mattes; B. Gimeno; A. Coves; V. E. Boria. "Abstracts of the X Iberian Meeting On Computational Electromagnetics".

**65 Title of the work:** Short course session: Measurement and simulation means. Synthesis of the results of the EVEREST project (ESA contract TRP no. 4200022452)

**Name of the conference:** 45th European Microwave Conference EuMW 2015

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Paris, France

**Date of event:** 2015

**End date:** 2015

J. PUECH (CNES); C.E. MIQUEL-ESPANA (ESA); D. RABOSO (ESA); L. GALAN (UAM); I. MONTERO (CSIC); M. BELHAJ (ONERA); D. HILL; N. LOOMBA (AIRBUS D&S); C. VICENTE (AURORASAT); D. ANDERSON; M. LISAK; J. RASCH (CHALMERS); J. PETIT (COMDEV); A. Al Mudhafar; D. Schönherr; Pr. Hartnaguel (Darmstadt Technical University); E. Cavro; P. Meisse (INTESPACE); P. Magnusson; U. Jostell (RUAG); P. Mader (THALES ALENIA SPACE); R. Esteve (RYMSA); D. Wolk (TESAT); J. de Lara (UAM Polytechnics); B. Gimeno; V. E. Boria (ESA-VSC). "Proceedings of the 45th European Microwave Conference EuMW 2015".

**66 Title of the work:** Multipactor RF Breakdown Analysis in a Parallel-Plate Waveguide Partially Filled with a Magnetized Ferrite Slab

**Name of the conference:** 9th International Workshop on Microwave Discharges: Fundamentals and Applications (MD9)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Córdoba, Spain

**Date of event:** 2015

**End date:** 2015

D. González-Iglesias; Á. Gómez; B. Gimeno; A. Vegas; F. Casas; S. Anza; C. Vicente; J. Gil; R. Mata; I. Montero; V. E. Boria; D. Raboso. "Abstracts of the 9th International Workshop on Microwave Discharges: Fundamentals and Applications".



- 67** **Title of the work:** Use of Static Magnetic Fields for Multipactor Mitigation in Coaxial Transmission Lines  
**Name of the conference:** 9th International Workshop on Microwave Discharges: Fundamentals and Applications (MD9)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** Córdoba, Spain  
**Date of event:** 2015  
**End date:** 2015  
D. González-Iglesias; A. M. Pérez; S. Anza; J. Vague; B. Gimeno; V. E. Boria; D. Raboso; C. Vicente; J. Gil; L. Conde. "Abstracts of the 9th International Workshop on Microwave Discharges: Fundamentals and Applications".
- 68** **Title of the work:** Analysis of Multipactor Effect in Parallel-plate and Rectangular Waveguides  
**Name of the conference:** 36th Progress In Electromagnetics Research Symposium PIERS 2015  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Praga, Czech Republic  
**Date of event:** 2015  
**End date:** 2015  
**Organising entity:** 8382 - Progress in Electromagnetics Research- PIERS **Type of entity:** \*\*Universitats  
A. Berenguer; A. Coves; E. Bronchalo; B. Gimeno; V. E. Boria. "Progress In Electromagnetics Research Symposium Proceedings, PIERS 2015".
- 69** **Title of the work:** Comparison of multipactor effect in parallel-plate and rectangular waveguides: 1D and 2D-3D models  
**Name of the conference:** XXX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2015  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Pamplona (Navarra), Spain  
**Date of event:** 2015  
**End date:** 2015  
A. Berenguer; A. Coves; E. Bronchalo; B. Gimeno; V. Boria. "Actas de la URSI 2015".
- 70** **Title of the work:** Multipactor in Dual-Mode Elliptical Waveguide  
**Name of the conference:** Applied Computational Electromagnetics (ACES), 2015 31st International Review of Progress in  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Williamsburg (Virginia), United States of America  
**Date of event:** 2015  
**End date:** 2015  
**Organising entity:** 13054 - Applied Computational Electromagnetics Society **Type of entity:** \*\*Enginyeries  
Ali Frotanpour; Benito Gimeno Martinez; Samaneh Esfandiarpour. "Proceedings of ACES 2015".
- 71** **Title of the work:** Análisis y Diseño de Filtros en Guía de Onda incluyendo Excitación Coaxial  
**Name of the conference:** XXIX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2014  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication



**City of event:** Valencia, Spain

**Date of event:** 2014

**End date:** 2014

Ángel A. San Blas; F. Mira; Vicente E. Boria; Benito Gimeno; Luis J. Rogla. "Actas de la URSI 2014".

- 72** **Title of the work:** Análisis del efecto multipactor en señales moduladas con Phase-Shift Keying  
**Name of the conference:** XXIX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2014

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2014

**End date:** 2014

D. González Iglesias; O. Monerris; B. Gimeno; V. E. Boria; D. Raboso. "Actas de la URSI 2014".

- 73** **Title of the work:** FEST3D: A commercial EM solver using the BI-RME method  
**Name of the conference:** IEEE International Conference on Numerical Electromagnetic Modeling and Optimization for RF, microwave, and terahertz applications (NEMO 2014)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Pavia, Italy

**Date of event:** 2014

**End date:** 2014

C. Carceller; V. Boria; F. J. Pérez; J. Gil; C. Vicente; B. Gimeno; M. Guglielmi. "Proceedings of NEMO 2014".

- 74** **Title of the work:** Multipactor Prediction with Multi-carrier Signals: Experimental Results and Discussions on the 20-gap-crossing Rule

**Name of the conference:** The 8th European Conference on Antennas and Propagation (EuCAP 2014)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** The Hague, Holland

**Date of event:** 2014

**End date:** 2014

Sergio Anza; Carlos Vicente; Jordi Gil; Michael Mattes; Dieter Wolk; Ulrich Wochner; Vicente E. Boria; Benito Gimeno; David Raboso. "Proceedings of EuCAP 2014".

- 75** **Title of the work:** EVEREST: Preliminary results on High RF power phenomena  
**Name of the conference:** The 8th European Conference on Antennas and Propagation (EuCAP 2014)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** The Hague, Holland

**Date of event:** 2014

**End date:** 2014

J. Puech(1); C. E. Miquel-Espana(2); D. Raboso(3); EVEREST consortium(4) (1) CNES; Toulouse; France (2) ESA-ESTEC; Noordwijk; The Netherlands (3) ESA-VSC; Valencia; Spain (4) AURORASAT; CHALMERS UNIVERSITY; COMDEV; CSIC; ASTRIUM; INTESPACE; ONERA; RUAG; DARMSTADT TECHNICAL UNIVERSITY; RYMSA; TESAT; THALES ALENIA SPACE; UAM APPLIED PHYSICS; UAM POLYTECHNICS; POLYTECHNICAL UNIVERSITY OF VALENCIA; UNIVERSITY OF VALENCIA. "Proceedings of EuCAP 2014".



- 76** **Title of the work:** Multipactor mitigation in coaxial technology by means of the use of static magnetic fields: recent experiments and simulations  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2014  
**End date:** 2014  
D. González-Iglesias; S. Anza; J. Vague; B. Gimeno; V. E. Boria; D. Raboso; C. Vicente; J. Gil; F. Caspers; L. Conde. "Proceedings of MULCOPIIM 2014".
- 77** **Title of the work:** Novel investigation in Multipactor Effect in Ferrite and other Dielectrics used in high power RF Space Hardware  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2014  
**End date:** 2014  
S. Anza; C. Vicente; J. Gil; I. Montero; L. Galan; A. Vegas; A. Gomez; B. Gimeno; D. Gonzalez; V. E. Boria; D. Raboso. "Proceedings of MULCOPIIM 2014".
- 78** **Title of the work:** New Investigations of RF Breakdown in Microwave Transmission Lines  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2014  
**End date:** 2014  
T. Pinheiro-Ortega; F. J. Perez Soler; F. Quesada; M. Mattes; J. M. Montero; D. Raboso; S. Anza; C. Vicente; B. Gimeno; V. E. Boria; J. Gil; A. Alvarez; J. R. Mosig. "Proceedings of MULCOPIIM 2014".
- 79** **Title of the work:** High-Power Analysis in H- and E-plane Waveguide Components  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2014  
**End date:** 2014  
Carlos Carceller; Jordi Gil; Carlos Vicente; Vicente Boria; Pablo Soto; Sergio Anza; Teresa Pinheiro; Benito Gimeno. "Proceedings of MULCOPIIM 2014".
- 80** **Title of the work:** Recent Developments on FEST3D/SPARK3D simulation tools  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain



**Date of event:** 2014

**End date:** 2014

S. Anza; T. Pinheiro; J. Armendáriz; F. J. Pérez; M. Rodríguez; C. Gahete; C. Vicente; J. Gil; B. Gimeno; V. E. Boria. "Proceedings of MULCOPIIM 2014".

**81 Title of the work:** Synthesis of the results of the EVEREST project

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2014

**End date:** 2014

J. Puech; C.E. Miquel-Espana; D. Raboso; EVEREST consortium. "Proceedings of MULCOPIIM 2014".

**82 Title of the work:** Further validation of FEST3D/SPARK3D in the frame of the EVEREST activity

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2014

**End date:** 2014

C. Vicente; S. Anza; T. Pinheiro; J. Gil; B. Gimeno; V.E. Boria; J. Puech; EVEREST Consortium. "Proceedings of MULCOPIIM 2014".

**83 Title of the work:** Multipactor Effect in a coaxial line excited by a Phase-Shift Keying Single Carrier Digital Modulated Signal

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2014

**End date:** 2014

D. González-Iglesias; Ò. Monerris; B. Gimeno; V. E. Boria; D. Raboso; V. E. Semenov. "Proceedings of MULCOPIIM 2014".

**84 Title of the work:** Multipactor prediction in Multicarrier Systems

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2014

**End date:** 2014

S. Anza; C. Vicente; J. Gil; U. Wochner; M. Mattes; B. Gimeno; V. E. Boria; D. Raboso. "Proceedings of MULCOPIIM 2014".



- 85** **Title of the work:** Multipactor Characterization with a Ring Resonator of Low-Pass Harmonic Filters Designed for High-Power Operation  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2014  
**End date:** 2014  
I. Arregui; F. Teberio; I. Arnedo; M. Chudzik; A. Lujambio; T. Lopetegi; R. Jost; F. J. Görtz; J. Gil; C. Vicente; B. Gimeno; V. E. Boria; P. Martín Iglesias; D. Raboso; M. A. G. Laso. "Proceedings of MULCOPIIM 2014".
- 86** **Title of the work:** A Novel Ku-Band Test Bed for Passive Intermodulation Measurements  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2014  
**End date:** 2014  
M. Guglielmi; P. Soto; C. Carceller; V.E. Boria; D. Smacchia; M. Brumos; S. Cogollos; B. Gimeno; D. Raboso. "Proceedings of MULCOPIIM 2014".
- 87** **Title of the work:** Roughness control of silver growth by means of EBPVD and its influence on secondary emission yield parameters as a function of temperature  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2014  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2014  
**End date:** 2014  
R. Mata; M. A. Cuenca; B. Gimeno; Vicente E. Boria; D. Ramirez; E. Sanchis; D. Raboso. "Proceedings of MULCOPIIM 2014".
- 88** **Title of the work:** Electromagnetic analysis of microwave cavities for dark-matter axion detectors  
**Name of the conference:** 1st MEETING ON AXION DARK MATTER IN CANFRANC (2014)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Canfranc (Huesca), Spain  
**Date of event:** 2014  
**End date:** 2014  
**Organising entity:** 8568 - Laboratorio Subterráneo **Type of entity:** \*\*Centres de Recerca de Canfranc (LSC)  
Benito Gimeno; Daniel González-Iglesias; Juan Pastor Graells; Ángel San Blas Oltra; José Manuel Catalá; Vicente E. Boria; Jordi Gil; Carlos P. Vicente. "[www.lsc-canfranc.es/meetings/talks.html](http://www.lsc-canfranc.es/meetings/talks.html)".
- 89** **Title of the work:** Analysis of the multipactor effect using digitally modulated signals  
**Name of the conference:** IX Iberian Meeting On Computational Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Denia (Alicante), Spain



**Date of event:** 2013

**End date:** 2013

D. González-Iglesias; M. Belloch; O. Monerris; B. Gimeno; V. E. Boria; D. Raboso; V. E. Semenov. "Abstracts of the IX Iberian Meeting On Computational Electromagnetics".

**90 Title of the work:** Computational enhancements in the modal characterization of microwave devices using BI-RME method

**Name of the conference:** IX Iberian Meeting On Computational Electromagnetics

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Denia (Alicante), Spain

**Date of event:** 2013

**End date:** 2013

Ana Vidal; Antonio M. Vidal; Víctor M. García; Vicente E. Boria; Benito Gimeno. "Abstracts of the IX Iberian Meeting On Computational Electromagnetics".

**91 Title of the work:** Activities of the Val Space Consortium and the European Space Agency in the Study of RF Breakdown Phenomena in Microwave Passive Components for Space Applications

**Name of the conference:** XXXIV Reunión Bienal de la Real Sociedad Española de Física

**Type of event:** Conference

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Valencia, Spain

**Date of event:** 2013

**End date:** 2013

Benito Gimeno; Vicente E. Boria; David Argilés; David Raboso. "Abstracts de la XXXIV Reunión Bienal de la Real Sociedad Española de Física".

**92 Title of the work:** Análisis de la neutralización de los haces iónicos producidos por propulsores espaciales por plasma de baja potencia

**Name of the conference:** XXXIV Reunión Bienal de la Real Sociedad Española de Física

**Type of event:** Conference

**Type of participation:** Participatory - poster

**City of event:** Valencia, Spain

**Date of event:** 2013

**End date:** 2013

S.P. Tierno; J.L. Domenech Garret; J.M. Donoso; B. Gimeno; V. Boria; L. Conde. "Abstracts de la XXXIV Reunión Bienal de la Real Sociedad Española de Física".

**93 Title of the work:** Design of Multiband Reflection Filters with Dielectric Frequency Selective Surfaces

**Name of the conference:** 34th Progress In Electromagnetics Research Symposium PIERS 2013

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Estocolmo, Sweden

**Date of event:** 2013

**End date:** 2013

**Organising entity:** 8382 - Progress in Electromagnetics Research- PIERS

**Type of entity:** \*\*Universitats

A. Coves; B. Gimeno; M. V. Andrés. "Progress In Electromagnetics Research Symposium Abstracts, Stockholm (Sweden), PIERS 2013".



- 94** **Title of the work:** Multipactor-Resistant Low-Pass Harmonic Filters with Wide-Band Higher-Order Mode Suppression  
**Name of the conference:** 2013 IEEE MTT-S International Microwave Symposium - MicroApps  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Seattle (Washington), United States of America  
**Date of event:** 2013  
**End date:** 2013  
I. Arregui; F. Teberio; I. Arnedo; A. Lujambio; M. Chudzik; D. Benito; T. Lopetegui; R. Jost; F. J. Görtz; J. Gil; C. Vicente; B. Gimeno; V. E. Boria; D. Raboso; M. A. G. Laso. "2013 IEEE MTT-S International Microwave Symposium Digest".
- 95** **Title of the work:** Diseño de filtros en reflexión multibanda con superficies dieléctricas selectivas en frecuencia  
**Name of the conference:** XXVIII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2013  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Santiago de Compostela (La Coruña), Spain  
**Date of event:** 2013  
**End date:** 2013  
Ángela Coves; Benito Gimeno; Miguel V. Andrés. "Actas de la URSI 2013".
- 96** **Title of the work:** Diseño de filtros paso-bajo a partir de estructuras periódicas EBG con inserciones metálicas  
**Name of the conference:** XXVIII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2013  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Santiago de Compostela (La Coruña), Spain  
**Date of event:** 2013  
**End date:** 2013  
Stephan Marini; Pablo Soto; Ángela Coves; Benito Gimeno; Vicente E. Boria. "Actas de la URSI 2013".
- 97** **Title of the work:** Medida del multipactor en filtro paso bajo de alta potencia con supresión de modos de alto orden en gran ancho de banda  
**Name of the conference:** XXVIII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2013  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Santiago de Compostela (La Coruña), Spain  
**Date of event:** 2013  
**End date:** 2013  
I. Arregui; F. Teberio; I. Arnedo; A. Lujambio; M. Chudzik; D. Benito; T. Lopetegui; R. Jost; F. J. Görtz; J. Gil; C. Vicente; B. Gimeno; V. E. Boria; D. Raboso; M. A. G. Laso. "Actas de la URSI 2013".
- 98** **Title of the work:** Future axion searches with the International Axion Observatory (IAXO)  
**Name of the conference:** Sixth Symposium on Large TPCs for Low Energy Rare Event Detection  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Paris, France  
**Date of event:** 2013





**End date:** 2013

**Organising entity:** 8568 - Laboratorio Subterráneo de Canfranc (LSC) **Type of entity:** \*\*Centres de Recerca

I. G. Irastorza; F. T. Avignone; G. Cantatore; J. M. Carmona; S. Caspi; S. A. Cetin; F. E. Christensen; A. Dael; T. Dafni; M. Davenport; A.V. Derbin; K. Desch; A. Diago; B. D obrich; A. Dudarev; C. Eleftheriadis; G. Fanourakis; E. Ferrer-Ribas; J. Gal an; J. A. Garcí a; J. G. Garza; T. Geralis; B. Gimeno; I. Giomatari; S. Gninenko; H. G omez; E. Guendelman; C. J. Hailey; T. Hiramatsu; D. H. H. Ho mann; D. Horns; F. J. Iguaz; J. Isern; A. C. Jakobsen; J. Jaeckel; K. Jakov ci c; J. Kaminski; M. Kawasaki; M. Kr cmar; C. Krieger; B. Laki c; A. Lindner; A. Liolios; G. Luz on; I. Ortega; T. Papaevangelou; M. J. Pivovaro; G. Ra elt; J. Redondo; A. Ringwald; S. Russenschuck; J. Ruz; K. Saikawa; I. Savvidis; T. Sekiguchi; I. Shilon; P. Sikivie; H. Silva; H. ten Kate; A. Tomas; S. Troitsky; T. Vafeiadis; K. van Bibber; P. Vedrine; J. A. Villar; J. K. Vogel; L. Walckiers; W. Wester; S. C. Yildiz; K. Zioutas. "Journal of Physics: Conference Series 460 (2013) 012002".

**99 Title of the work:** Docencia en Materias del Área de Electromagnetismo en el Grado en Física de la Universitat de València

**Name of the conference:** XI Reunión del Área de Electromagnetismo

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Murcia, Spain

**Date of event:** 2012

**End date:** 2012

Benito Gimeno Martínez.

**100 Title of the work:** Activities of the Val Space Consortium and the European Space Agency in the Study of RF Breakdown Phenomena in Microwave Passive Components for Space Applications

**Name of the conference:** ECLLOUD'12 (CERN)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** La Biodola (Isola d'Elba), Italy

**Date of event:** 2012

**End date:** 2012

Benito Gimeno; Vicente E. Boria; David Argilés; David Raboso.

"<http://agenda.infn.it/conferenceDisplay.py?confId=4303>".

**101 Title of the work:** An Efficient Computer-Aided Design Procedure for Interpolating Filter Dimensions Using Least Squares Methods

**Name of the conference:** 7th European Microwave Integrated Circuits Conference EuMIC 2012

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Amsterdam, Holland

**Date of event:** 2012

**End date:** 2012

E. Menargues; S. Cogollos; V. E. Boria; B. Gimeno; M. Guglielmi. "Proceedings of the 7th European Microwave Integrated Circuits Conference".

**102 Title of the work:** Análisis Multimodal de Superficies Dieléctricas Periódicas y Selectivas en Frecuencia Bajo Excitación de Ondas Planas

**Name of the conference:** XXVII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2012

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Elche (Alicante), Spain

**Date of event:** 2012



**End date:** 2012

Angela Covés; Stephan Marini; Benito Gimeno; Vicente Boria; Jorge D. Martínez. "Actas de la URSI 2012".

- 103** **Title of the work:** Análisis y Diseño de Uniones Turnstile Compensadas con Elevado Ancho de Banda  
**Name of the conference:** XXVII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2012  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Elche (Alicante), Spain  
**Date of event:** 2012  
**End date:** 2012  
Ángel A. San Blas; Fermín Mira; Vicente E. Boria; B. Gimeno. "Actas de la URSI 2012".
- 104** **Title of the work:** Caracterización Precisa de las Pérdidas Óhmicas en Estructuras Guiadas Arbitrarias  
**Name of the conference:** XXVII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2012  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Elche (Alicante), Spain  
**Date of event:** 2012  
**End date:** 2012  
S. Marini; M. Mattes; S. Bleda; C. Pascual; E. Gimeno; B. Gimeno; V. E. Boria. "Actas de la URSI 2012".
- 105** **Title of the work:** Multipactor en línea coaxial en presencia de un campo magnético axial DC  
**Name of the conference:** XXVII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2012  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Elche (Alicante), Spain  
**Date of event:** 2012  
**End date:** 2012  
D. González-Iglesias; A. M. Pérez; S. Anza; B. Gimeno; V. E. Boria; D. Raboso; C. Vicente; J. Gil; L. Conde. "Actas de la URSI 2012".
- 106** **Title of the work:** Accurate Calculation of Propagation Losses in Arbitrarily Shaped Waveguide Based Components Using Perturbation of Boundary Condition  
**Name of the conference:** 32nd Progress In Electromagnetics Research Symposium PIERS 2012  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Moscow, Russia  
**Date of event:** 2012  
**End date:** 2012  
S. Marini; S. Bleda; M. Mattes; B. Gimeno; V. E. Boria. "Progress In Electromagnetics Research Symposium Abstracts, Moscow (Russia), PIERS 2012".
- 107** **Title of the work:** A software tool for the design of passive space components  
**Name of the conference:** 2012 Joint Conference: Satellites in the Service of Humanity. 18th Ka and Broadband Communications (Navigation and Earth Observation Conference), and 30th AIAA International Communication Satellite Systems Conference (ICSSC)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Ottawa, Canada



**Date of event:** 2012

**End date:** 2012

J. Gil; C. Vicente; V. Boria; B. Gimeno; C. Kudsia. "Proceedings of the 2012 Joint Conference: Satellites in the Service of Humanity".

- 108** **Title of the work:** Analysis of the multipactor effect in a parallel plate waveguide with multiple modulations  
**Name of the conference:** Mathematical Modelling in Engineering and Human Behaviour 2012 Conference  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2012  
**End date:** 2012

M. Belloch; B. Gimeno; V. E. Boria; J. L. Hueso; E. Martínez. "Abstracts of Mathematical Modelling in Engineering and Human Behaviour 2012 Conference".

- 109** **Title of the work:** Aurora Software and Testing, una empresa spin-off creada entre dos Universidades Públicas Valencianas  
**Name of the conference:** I Congreso Nacional de Científicos Emprendedores  
**Type of event:** Conference  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Valencia, Spain  
**Date of event:** 2012  
**End date:** 2012

Benito Gimeno Martínez. "Abstracts del I Congreso Nacional de Científicos Emprendedores".

- 110** **Title of the work:** Multipactor Analysis in Dual-Mode Inductive Cavity Bandpass Filters  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2011  
**End date:** 2011

J.E. Mendoza Raya; F. Quesada Pereira; M. Martínez Mendoza; J.A Lorente; A. Álvarez Melcón; B. Gimeno Martínez; V. Boria Esbert. "Proceedings of MULCOPIIM 2011".

- 111** **Title of the work:** High Power Analysis in Coaxial Combline Resonator Filters  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2011  
**End date:** 2011

Fco. Javier Pérez; Carlos Carceller; Luis Roglá; Sergio Anza; Teresa Pinheiro; Fernando Quesada; Jordi Gil; Carlos Vicente; Santiago Sobrino; Vicente E. Boria; Benito Gimeno. "Proceedings of MULCOPIIM 2011".

- 112** **Title of the work:** High-Power Alternative to the Design of Spurious-Free Classical E-plane Corrugated Filters  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011



**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2011

**End date:** 2011

I. Arregui; S. Anza; F. Teberio; C. Vicente; I. Arnedo; J. Gil; A. Lujambio; M. Chudzik; R. Jost; F.-J. Görtz; B. Gimeno; D. Benito; T. Lopetegui; M. A. G. Laso; D. Raboso; V. E. Boria. "Proceedings of MULCOPIIM 2011".

**113 Title of the work:** Investigation on the multipactor effect in wedge-shaped waveguides

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2011

**End date:** 2011

Jaime Hueso González; Vicente E. Boria Esbert; Benito Gimeno Martínez; Carlos Vicente; David Raboso. "Proceedings of MULCOPIIM 2011".

**114 Title of the work:** Multipactor Analysis in Circular Waveguides

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2011

**End date:** 2011

A.M. Pérez; C. Vicente; S. Anza; J. Gil; B. Gimeno; V. E. Boria. "Proceedings of MULCOPIIM 2011".

**115 Title of the work:** RF Breakdown analysis in microstrip structures

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2011

**End date:** 2011

F. J. Pérez Soler; F. Quesada; M. Mattes; J. M. Montero; D. Raboso; T. Pinheiro-Ortega; S. Anza; C. Vicente; B. Gimeno; V. Boria; J. Gil; A. Álvarez; J. R. Mosig. "Proceedings of MULCOPIIM 2011".

**116 Title of the work:** Multipactor Susceptibility Charts of a Parallel-Plate Dielectric-Loaded Waveguide

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2011

**End date:** 2011

Germán Torregrosa-Penalva; Ángela Covas; Benito Gimeno; Isabel Montero; Carlos Vicente; Vicente E. Boria. "Proceedings of MULCOPIIM 2011".



- 117** **Title of the work:** Multipaction and Corona Threshold Computation in Dielectric Resonators from FEM Full-Wave Fields Computations  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2011  
**End date:** 2011  
L. Roglá; C. Vicente; J. Gil; T. Pinheiro-Ortega; S. Sobrino; V. Boria; B. Gimeno; D. Raboso. "Proceedings of MULCOPIIM 2011".
- 118** **Title of the work:** A new general RF breakdown simulation tool  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2011  
**End date:** 2011  
T. Pinheiro-Ortega; J. Armendáriz; S. Anza; J. Gil; C. Vicente; B. Gimeno; V. Boria. "Proceedings of MULCOPIIM 2011".
- 119** **Title of the work:** Computation of a Multipactor Discharge Occurring within a Realistic Passive Microwave Component  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2011  
**End date:** 2011  
M. Jiménez; B. Gimeno; S. Anza; C. Vicente; J. Gil; A. Álvarez; F. Quesada; M. Taroncher; M. Reglero; D. Raboso. "Proceedings of MULCOPIIM 2011".
- 120** **Title of the work:** Influence of RF Component Wall Thickness in Electron Seeding in Multipactor Testing  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2011  
**End date:** 2011  
L. Esteve; J.J. García-Garrigos; D. Raboso; B. Gimeno; C. Belver-Aguilar; V. Boria; A. Faus. "Proceedings of MULCOPIIM 2011".
- 121** **Title of the work:** High-power analysis of passive microwave components using FEST3D  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain



**Date of event:** 2011

**End date:** 2011

J. Armendáriz; S. Anza; T. Pinheiro-Ortega; M. Rodríguez; F. J. Pérez; C. Gahete; C. Mus; J. Gil; M. Brumos; C. Carceller; C. Vicente; B. Gimeno; V. Boria. "Proceedings of MULCOPIIM 2011".

**122 Title of the work:** Multipactor Prediction in Multi-carrier Systems

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2011

**End date:** 2011

S. Anza; D. Wolk; M. Mattes; C. Vicente; J. Gil; B. Gimeno; V. E. Boria; D. Raboso. "Proceedings of MULCOPIIM 2011".

**123 Title of the work:** Computation of Wakefields in Arbitrarily Cross-Shaped Waveguides for Particle Accelerator Applications

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2011

**End date:** 2011

M. Jiménez; S. Marini; B. Gimeno; A. Álvarez; F. Quesada; V. E. Boria; P. Soto; P. Cogollos; D. Raboso. "Proceedings of MULCOPIIM 2011".

**124 Title of the work:** Comparative study of experimental signals from multipactor and breakdown

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2011

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2011

**End date:** 2011

M. Dehler; S. Verdú-Andrés; W. Wuensch; A. Faus-Golfe; B. Gimeno Martínez; J. Kovermann; V. Boria; D. Raboso. "Proceedings of MULCOPIIM 2011".

**125 Title of the work:** Activities of the Val Space Consortium and the European Space Agency in the Study of RF Breakdown Phenomenon in Microwave Passive Components for Space Applications

**Name of the conference:** VIII Iberian Meeting On Computational Electromagnetics

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Sesimbra (Lisboa), Portugal

**Date of event:** 2011

**End date:** 2011

Benito Gimeno; Vicente E. Boria; David Argilés; David Raboso. "Proceedings del Congreso".



- 126** **Title of the work:** Advanced Analysis of Propagation Losses in Rectangular Waveguide Structures Using Perturbation of Boundary Conditions  
**Name of the conference:** 2011 IEEE MTT-S International Microwave Workshop Series on Millimeter Wave Integration Technologies (IMWS)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Sitges (Barcelona), Spain  
**Date of event:** 2011  
**End date:** 2011  
Stephan Marini; Michael Mattes; Benito Gimeno; Pablo Soto; Vicente E. Boria. "Proceedings of IMWS 2011, pp. 680-683".
- 127** **Title of the work:** High frequency measurements of the beam position monitors for the TBL line of the CTF3 at CERN  
**Name of the conference:** Proceedings of the 10th European Workshop on Beam Diagnostics and Instrumentation for Particle Accelerators (DIPAC)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Hamburg, Germany  
**Date of event:** 2011  
**End date:** 2011  
C. Blanch-Gutierrez; J.V. Civera-Navarrete; A. Faus-Golfe; J.J. García-Garrigós; B. Gimeno. "Proceedings of DIPAC2011, pp. 335-337".
- 128** **Title of the work:** The European High Power RF laboratory: a successful partnership ESA-VSC  
**Name of the conference:** 2011 IEEE MTT-S International Microwave Symposium (IMS)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Baltimore, United States of America  
**Date of event:** 2011  
**End date:** 2011  
D. Raboso; D. Argiles; V. Boria; B. Gimeno; F. Deborgies. "Proceedings of IMS 2011".
- 129** **Title of the work:** Análisis modal de componentes pasivos basados en guías circulares con contornos arbitrarios  
**Name of the conference:** XXVI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2011  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Leganés (Madrid), Spain  
**Date of event:** 2011  
**End date:** 2011  
Carlos Carceller; María Brumos; Santiago Cogollos; Pablo Soto; Jordi Gil; Vicente E. Boria; Carlos Vicente; Benito Gimeno. "Actas de la URSI 2011".
- 130** **Title of the work:** Diseño de filtros de microondas de modo dual en guía cuadrada y circular  
**Name of the conference:** XXVI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2011  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Leganés (Madrid), Spain  
**Date of event:** 2011



**End date:** 2011

María Brumos; Carlos Carceller; Santiago Cogollos; Vicente E. Boria; Carlos Vicente; Jordi Gil; Benito Gimeno. "Actas de la URSI 2011".

- 131 Title of the work:** Herramienta de análisis de filtros en configuración comb-line  
**Name of the conference:** XXVI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2011  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Leganés (Madrid), Spain  
**Date of event:** 2011  
**End date:** 2011  
Ángel A. San Blas; Fermín Mira; Vicente E. Boria; B. Gimeno. "Actas de la URSI 2011".
- 132 Title of the work:** Broad Band Analysis of Arbitrarily Shaped Microwave Filters Using a Novel Singular Value Decomposition Technique  
**Name of the conference:** European Conference on Antennas and Propagation EUCAP2010  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Barcelona, Spain  
**Date of event:** 2010  
**End date:** 2010  
F. D. Quesada; A. Vidal; F. J. Pérez; A. Berenguer; A. San Blas; F. Mira; V. E. Boria; B. Gimeno; A. Alvarez. "2010 Proceedings of the Fourth European Conference on Antennas and Propagation EUCAP 2010, pp. 1-3".
- 133 Title of the work:** Broad Band Analysis of Arbitrarily Shaped Microwave Filters Using a Novel Singular Value Decomposition Technique  
**Name of the conference:** IV European Conference on Computational Mechanics ECCM2010  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Paris, France  
**Date of event:** 2010  
**End date:** 2010  
F. D. Quesada; A. Vidal; F. J. Pérez; A. Berenguer; A. A. San Blas; F. Mira; V. E. Boria; B. Gimeno; A. Alvarez. "Proceedings of ECCM2010".
- 134 Title of the work:** Study of Multipactor Effect in Microwave Passive Components for Space Applications  
**Name of the conference:** VII Encuentro Ibérico de Electromagnetismo Computacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Monfragüe (Cáceres), Spain  
**Date of event:** 2010  
**End date:** 2010  
Benito Gimeno; Sergio Anza; Francisco J. Pérez-Soler; Carlos Vicente; Jordi Gil; Vicente E. Boria; Fernando Quesada; Manuel Jiménez; Alejandro Álvarez-Melcón; Michael Mattes; Juan R. Mosig; David Raboso; César Miquel-España. "Proceedings del Congreso, pp. 73-78".
- 135 Title of the work:** Aplicación de Cuestionarios de Aula Virtual en diferentes asignaturas  
**Name of the conference:** I Trobades D'Innovació Educativa  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication





**City of event:** Valencia, Spain

**Date of event:** 2010

**End date:** 2010

J. Pellicer Porres; C. Roldán García; V. Muñoz Sanjosé; B. Gimeno Martínez; C. Coll Company; J.A. Martínez Lozano; F. Tena Sangüesa; P. Utrillas Esteban; A. Sanz Grau; X. Ponsoda Martí; F. González Candelas. "Actas del Congreso, pp. 25-26".

**136 Title of the work:** Recent Advances for the Full-Wave Analysis and Design of Waveguide Filters for Space Applications

**Name of the conference:** Applied Computational Electromagnetics ACES 2010

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Tampere, Finland

**Date of event:** 2010

**End date:** 2010

Santiago Cogollos; Pablo Soto; Vicente E. Boria; Carlos Vicente; Jordi Gil; Benito Gimeno. "Proceedings of ACES 2010".

**137 Title of the work:** An Efficient Integral Equation Technique for the Analysis of Arbitrarily Shaped Capacitive Waveguide Circuits

**Name of the conference:** 40th European Microwave Conference EUMC 2010

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Paris, France

**Date of event:** 2010

**End date:** 2010

Fernando D. Quesada; Pedro Vera; Alejandro Alvarez; Benito Gimeno; Vicente E. Boria. "Proceedings of the 40th European Microwave Conference EUMC 2010".

**138 Title of the work:** Characterization of Resonances by Polar Expansion of Generalized Admittance Matrix

**Name of the conference:** 40th European Microwave Conference EUMC 2010

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Paris, France

**Date of event:** 2010

**End date:** 2010

Sergio Llorente-Romano; Benito Gimeno; Vicente E. Boria Esbert; Magdalena Salazar. "Proceedings of the 40th European Microwave Conference EUMC 2010".

**139 Title of the work:** Accurate Circuit Synthesis of Low-Pass Corrugated Waveguide Filters

**Name of the conference:** 40th European Microwave Conference EUMC 2010

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Paris, France

**Date of event:** 2010

**End date:** 2010

O. Moneris; P. Soto; S. Cogollos; V. E. Boria; J. Gil; C. Vicente; B. Gimeno. "Proceedings of the 40th European Microwave Conference EUMC 2010".

**140 Title of the work:** Recent Advances in Analysis and Design of Waveguide Filters for Space Applications with FEST3D

**Name of the conference:** ESA Microwave Technology and Techniques Workshop 2010



**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** ESA/ESTEC, Noordwijk, Holland

**Date of event:** 2010

**End date:** 2010

Santiago Cogollos; Pablo Soto; Vicente Boria; Jordi Gil; Carlos Vicente; Benito Gimeno; David Raboso. "Proceedings of ESA Microwave Technology and Techniques Workshop 2010".

**141 Title of the work:** New Distributed Model for Synthesis of Classical Dual Mode Filters

**Name of the conference:** 2010 IEEE MTT-S International Microwave Symposium

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Anaheim (California), United States of America

**Date of event:** 2010

**End date:** 2010

S. Cogollos; M. Brumos; V. E. Boria; C. Vicente; B. Gimeno; M. Guglielmi. "2010 IEEE MTT-S International Microwave Symposium Digest".

**142 Title of the work:** Synthesis, design and high-power analysis of dual-mode filters with FEST3D

**Name of the conference:** 2010 IEEE MTT-S International Microwave Symposium - MicroApps

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Anaheim (California), United States of America

**Date of event:** 2010

**End date:** 2010

J. Gil; C. Vicente; V. E. Boria; B. Gimeno. "2010 IEEE MTT-S International Microwave Symposium Digest".

**143 Title of the work:** Análisis mediante ecuaciones integrales de la transición entre una guía rectangular y una guía radial interna

**Name of the conference:** XXV Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2010

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Bilbao, Spain

**Date of event:** 2010

**End date:** 2010

Sergio Llorente Romano; Magdalena Salazar Palma; Benito Gimeno; Vicente E. Boria. "Actas de la URSI 2010".

**144 Title of the work:** Análisis de estructuras periódicas EBG en guía de onda para aplicaciones en tecnología radar

**Name of the conference:** XXV Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2010

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Bilbao, Spain

**Date of event:** 2010

**End date:** 2010

Stephan Marini; Encarnación Gimeno; Vicente E. Boria; Benito Gimeno. "Actas de la URSI 2010".



- 145** **Title of the work:** Full-wave Analysis and Applications of EBG Waveguides Periodically Loaded with Metal Ridges  
**Name of the conference:** 2009 International Workshop Series on Signal Integrity and High-Speed Interconnects (IMWS2009-R9)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Guadalajara, Mexico  
**Date of event:** 2009  
**End date:** 2009  
Stephan Marini; Ángela Coves; Mária Taroncher; Vicente E. Boria; Benito Gimeno. "Workshop Proceedings IMWS2009-R9".
- 146** **Title of the work:** Chemical sensor applications of whispering-gallery modes resonances of thin capillaries with submicrometric wall  
**Name of the conference:** Optical Sensors 2009  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Praga, Czech Republic  
**Date of event:** 2009  
**End date:** 2009  
Vanessa Zamora; Antonio Díez; Miguel V. Andrés; Benito Gimeno. "Proceedings of SPIE 2009, DOI: 10.1117/12.820379".
- 147** **Title of the work:** Back-Scattering of Whispering-Gallery-Modes Resonances of Cylindrical Microcavities: Refractometric Applications  
**Name of the conference:** CLEO EUROPE - EQEC 2009  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Munich, Germany  
**Date of event:** 2009  
**End date:** 2009  
V. Zamora; A. Díez; M. V. Andrés; B. Gimeno. "Proceedings of CLEO EUROPE - EQEC 2009".
- 148** **Title of the work:** A novel technique for mitigating multipactor by means of magnetic surface roughness  
**Name of the conference:** Particle Accelerator Conference PAC 2009  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - poster  
**City of event:** Vancouver, Canada  
**Date of event:** 2009  
**End date:** 2009  
F. Caspers; E. Montesinos; I. Montero; V.E. Boria; C.M. Espana; D. Raboso; L. Galán; B. Gimeno; W. Bruns; C. Vicente. "Book of Abstracts of PAC 2009".
- 149** **Title of the work:** Accurate Software Tool for the Prediction of RF Breakdown in Microwave Transmission Lines  
**Name of the conference:** 3rd European Conference on Antennas and Propagation EuCAP 2009 (IEEE)  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Berlin, Germany  
**Date of event:** 2009  
**End date:** 2009



F. J. Pérez; F. Quesada; A. Alvarez; S. Anza; C. Vicente; B. Gimeno; V. Boria; M. Mattes; J. R. Mosig; D. Raboso. "Proceedings of EuCAP 2009".

**150 Title of the work:** Discussion on The Efficient Evaluation of the Green's Functions of Point Sources Inside Infinite Parallel Plate Waveguides

**Name of the conference:** 3rd European Conference on Antennas and Propagation EuCAP 2009 (IEEE)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Berlin, Germany

**Date of event:** 2009

**End date:** 2009

F. J. Pérez; F. Quesada; A. Alvarez; E. Sorolla; B. Gimeno. "Proceedings of EuCAP 2009".

**151 Title of the work:** Rigorous Investigation of RF Breakdown Effects in High Power Microstrip Passive Circuits

**Name of the conference:** 2009 IEEE MTT-S International Microwave Symposium

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Boston, United States of America

**Date of event:** 2009

**End date:** 2009

F. J. Perez Soler; S. Anza; M. Mattes; C. M. Espana; F. Quesada; M. Jimenez; J. Gil; C. Vicente; J. R. Mosig; D. Raboso; V. E. Boria; B. Gimeno; A. Alvarez-Melcon. "2009 IEEE MTT-S International Microwave Symposium Digest".

**152 Title of the work:** High Power Analysis and Design of Dual-Mode Channel Filters

**Name of the conference:** 2009 IEEE MTT-S International Microwave Symposium

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Boston, United States of America

**Date of event:** 2009

**End date:** 2009

J. Monge; J. A. Ruiz-Cruz; S. Anza; C. Vicente; K. A. Zaki; J. R. Montejo-Garai; J. M. Rebollar; J. Gil; B. Gimeno; V. E. Boria. "2009 IEEE MTT-S International Microwave Symposium Digest".

**153 Title of the work:** Diseño optimizado de uniones compensadas en guía rectangular

**Name of the conference:** XXIV Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2009

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Santander, Spain

**Date of event:** 2009

**End date:** 2009

Angel A. San Blas; Fermín Mira; Jordi Gil; Vicente E. Boria; Benito Gimeno. "Actas de la URSI 2009".

**154 Title of the work:** Estudio del efecto multipactor en guía circular

**Name of the conference:** XXIV Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2009

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Santander, Spain

**Date of event:** 2009

**End date:** 2009



A. M. Pérez; B. Gimeno; S. Anza; C. Vicente; J. Gil; V. E. Boria. "Actas de la URSI 2009".

- 155 Title of the work:** Cálculo de las frecuencias de resonancia en geometrías sin pérdidas mediante la expansión en fracciones parciales de matrices de admitancias  
**Name of the conference:** XXIV Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2009  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Santander, Spain  
**Date of event:** 2009  
**End date:** 2009  
Sergio Llorente Romano; Magdalena Salazar Palma; Benito Gimeno; Vicente E. Boria. "Actas de la URSI 2009".
- 156 Title of the work:** Multipactor Prediction in Novel High-Power Low-Pass Filters with Wide Rejection Band  
**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2009  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** CNES, Toulouse, France  
**Date of event:** 2009  
**End date:** 2009  
I. Arregui; S. Anza; I. Arnedo; C. Vicente; A. Lujambio; J. Gil; M. Chudzik; B. Gimeno; T. Lopetegui; M. A. G. Laso; V. E. Boria. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2009".
- 157 Title of the work:** Microwave breakdown prediction in arbitrarily shaped waveguide based filters  
**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2009  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** CNES, Toulouse, France  
**Date of event:** 2009  
**End date:** 2009  
T. Pinheiro-Ortega; J. Monge; S. Marini; V. E. Boria; C. Vicente; J. Gil; B. Gimeno. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2009".
- 158 Title of the work:** Advanced Dimensional Synthesis of Wide Bandwidth Bandpass Waveguide Filters with FEST3D  
**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2009  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** CNES, Toulouse, France  
**Date of event:** 2009  
**End date:** 2009  
P. Soto; E. Tarín; J. Armendariz; V. E. Boria; C. Vicente; J. Gil; B. Gimeno. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2009".
- 159 Title of the work:** Computer-Aided Design of Substrate Integrated Waveguide Filters for Microwave and Millimeter-wave Applications  
**Name of the conference:** 39th European Microwave Conference EUMC 2009  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Roma, Italy  
**Date of event:** 2009



**End date:** 2009

F. Mira; A.A. San Blas; S. Cogollos; V.E. Boria; B. Gimeno. "Proceedings of the 39th European Microwave Conference EUMC 2009".

**160 Title of the work:** Multipactor Prediction in Novel High-Power Low-Pass Filters with Wide Rejection Band

**Name of the conference:** 39th European Microwave Conference EUMC 2009

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Roma, Italy

**Date of event:** 2009

**End date:** 2009

I. Arregui; S. Anza; I. Arnedo; C. Vicente; A. Lujambio; J. Gil; M. Chudzik; B. Gimeno; T. Lopetegi; M. A. G. Laso; V. E. Boria. "Proceedings of the 39th European Microwave Conference EUMC 2009".

**161 Title of the work:** Cylindrical optical microcavities: basic properties and sensor applications

**Name of the conference:** International Commission for Optics Topical Meeting on Emerging Trends and Novel Materials in Photonics - ICO-PHOTONICS-DELPHI2009

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Delphi, Greece

**Date of event:** 2009

**End date:** 2009

V. Zamora; A. Díez; M.V. Andrés; B. Gimeno. "Proceedings of ICO-PHOTONICS-DELPHI2009, p. 35".

**162 Title of the work:** Whispering Gallery Modes Resonances of Thin Capillaries

**Name of the conference:** Conferencia Española de Nanofotónica 2008

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Tarragona, Spain

**Date of event:** 2008

**End date:** 2008

V. Zamora; A. Díez; M. V. Andrés; B. Gimeno. "Abstracts Books Conferencia Española de Nanofotónica 2008".

**163 Title of the work:** FEST3D: A Software Tool for the Analysis, Synthesis and Design of Waveguide Filters for Satellite Applications

**Name of the conference:** 24th Annual Review of Progress in Applied Computational Electromagnetics. 2008 ACES Conference (Applied Computational Electromagnetics Society)

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Niagara Falls (Ontario), Canada

**Date of event:** 2008

**End date:** 2008

Santiago Cogollos; Vicente E. Boria; Jordi Gil; Carlos Vicente; Benito Gimeno. "Abstracts Books ACES 2008".

**164 Title of the work:** Microcapillary Resonators with Submicrometric Wall

**Name of the conference:** 10th Anniversary International Conference on Transparent Optical Networks ICTON 2008

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Atenas, Greece



**Date of event:** 2008

**End date:** 2008

Vanessa Zamora; Antonio Díez; Miguel V. Andrés; Benito Gimeno. "Proceedings of ICTON 2008".

- 165** **Title of the work:** Análisis eficiente de la excitación de guías rectangulares mediante sonda coaxial con geometría arbitraria  
**Name of the conference:** XXIII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2008  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Madrid, Spain  
**Date of event:** 2008  
**End date:** 2008  
A. A. San Blas; F. Mira; A. Coves; V. E. Boria; B. Gimeno; M. Bressan. "Actas de la URSI 2008".
- 166** **Title of the work:** Enhanced Prediction of Multipaction Breakdown in Passive Waveguide Components including Space Charge Effects  
**Name of the conference:** 2008 IEEE MTT-S International Microwave Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - poster  
**City of event:** Georgia, Atlanta, United States of America  
**Date of event:** 2008  
**End date:** 2008  
S. Anza; C. Vicente; D. Raboso; J. Gil; B. Gimeno; V. E. Boria. "2008 IEEE MTT-S International Microwave Symposium Digest".
- 167** **Title of the work:** ANALISI E PROGETTO DI FILTRI IN GUIDA CON RISUONATORI DIELETTRICI CON IL METODO DELL'EQUAZIONE INTEGRALE NELLO SPAZIO DEGLI STATI  
**Name of the conference:** XVII Riunione Nazionale di Elettromagnetismo (RiNEm) 2008  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Lecce, Italy  
**Date of event:** 2008  
**End date:** 2008  
J. Gil; A. A. San Blas; C. Vicente; B. Gimeno; M. Bressan; V. E. Boria; G. Conciauro; M. Maestre. "Proceedings RiNEm 2008".
- 168** **Title of the work:** Time Evolution of Multipactor Discharges Including Space-Charge Effects in Parallel-Plate Waveguides Loaded with Dielectric Materials  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIM 2008  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2008  
**End date:** 2008  
Ángela Coves; Germán Torregrosa-Penalva; Carlos P. Vicente; Benito Gimeno; Vicente E. Boria. "Proceedings of MULCOPIM 2008".
- 169** **Title of the work:** New Investigations of RF Breakdown in Microwave Transmission Lines  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIM 2008



**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2008

**End date:** 2008

F. J. Pérez Soler; S. Anza; M. Mattes; A. Nubla; C. Vicente; F. Quesada; B. Gimeno; V. Boria; J. Gil; A. Álvarez; J. R. Mosig; D. Raboso. "Proceedings of MULCOPIIM 2008".

**170 Title of the work:** FEST3D Simulation Tool: Recent Advances and Developments

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2008

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2008

**End date:** 2008

J. Armendáriz; M. Ghilardi; M. Mattes; J. Gil; C. Vicente; S. Anza; F. Silvestri; B. Gimeno; V. Boria; A. Álvarez; B. Casali; J. R. Mosig; D. Raboso. "Proceedings of MULCOPIIM 2008".

**171 Title of the work:** Multipactor in Coaxial lines for Traveling, Standing and Mixed Waves

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2008

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2008

**End date:** 2008

A. M. Pérez; C. Vicente; S. Anza; J. Gil; B. Gimeno; V. E. Boria. "Proceedings of MULCOPIIM 2008".

**172 Title of the work:** An Analytical Model to Evaluate the Radiated Power Spectrum of a Multipactor Discharge in a Parallel-Plate Waveguide Region

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2008

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2008

**End date:** 2008

E. Sorolla; S. Anza; B. Gimeno; A. M. Pérez; C. Vicente; J. Gil; F. J. Pérez-Soler; F. D. Quesada; A. Álvarez; V. E. Boria. "Proceedings of MULCOPIIM 2008".

**173 Title of the work:** Effect of electron seeding in RF gas discharge

**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2008

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Valencia, Spain

**Date of event:** 2008

**End date:** 2008

D. Raboso; A. Allstaff; C. Miquel; B. Gimeno; L. Conde; U. Jostell; R. Petersson. "Proceedings of MULCOPIIM 2008".





- 174 Title of the work:** Computation of Electromagnetic Fields inside Arbitrary Shaped Components by means of the BIRME Method  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2008  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2008  
**End date:** 2008  
S. Marini; J. Gil; C. Vicente; B. Gimeno; V. E. Boria. "Proceedings of MULCOPIIM 2008".
- 175 Title of the work:** RF Breakdown in Multicarrier Systems  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2008  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2008  
**End date:** 2008  
S. Anza; M. Mattes; D. Wolk; U. Wochner; M. Reglero; B. Gimeno; V. E. Boria; J. Gil; C. Vicente; J.R. Mosig; D. Raboso. "Proceedings of MULCOPIIM 2008".
- 176 Title of the work:** Effect of Free Electrons in Multipactor Threshold  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2008  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2008  
**End date:** 2008  
D. Raboso; C. Miquel; A. Allstaff; B. Gimeno; M. Baumann; U. Wochner; M. Taroncher. "Proceedings of MULCOPIIM 2008".
- 177 Title of the work:** Photoemission from UV Sources: An alternative Multipactor Trigger for Ground Testing  
**Name of the conference:** International Workshop in Multipactor, Corona and Passive Intermodulation, MULCOPIIM 2008  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2008  
**End date:** 2008  
C. Miquel; D. Raboso; A. Allstaff; B. Gimeno. "Proceedings of MULCOPIIM 2008".
- 178 Title of the work:** Multipactor effect in coaxial cables and dielectric-loaded waveguides. Study of the electromagnetic spectrum radiated by a multipactor discharge  
**Name of the conference:** CERN Electron Cloud Mitigation Workshop 2008, ECM'08  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** CERN, Ginebra, Switzerland  
**Date of event:** 2008  
**End date:** 2008



B. Gimeno; V. E. Boria; C. Vicente; J. Gil; A. M. Pérez; M. Reglero; S. Anza; A. Coves; G. Torregrosa; A. Álvarez; F. Quesada; F.J. Pérez-Soler; E. Sorolla; D. Raboso; C. Tienda. "Proceedings of ECM'08".

- 179** **Title of the work:** Influence of the Electrons in Multipactor  
**Name of the conference:** CERN Electron Cloud Mitigation Workshop 2008, ECM'08  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** CERN, Ginebra, Switzerland  
**Date of event:** 2008  
**End date:** 2008  
D. Raboso; C. Miquel-España; A. Allstaff; B. Gimeno; M. Baumann; U. Wochner; M. Taroncher. "Proceedings of ECM'08".
- 180** **Title of the work:** FEST3D: A CAD Tool for the analysis of microwave passive components  
**Name of the conference:** CERN Electron Cloud Mitigation Workshop 2008, ECM'08  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** CERN, Ginebra, Switzerland  
**Date of event:** 2008  
**End date:** 2008  
C. Vicente; J. Armendáriz; M. Ghilardi; M. Mattes; J. Gil; S. Anza; F. Silvestri; B. Gimeno; V. Boria; A. Álvarez; B. Casali; J. R. Mosig; D. Raboso. "Proceedings of ECM'08".
- 181** **Title of the work:** Efficient Pole Expansion of the Generalized Admittance Matrix Representation of Planar Waveguide Junctions  
**Name of the conference:** 38th European Microwave Conference EUMC 2008  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Amsterdam, Holland  
**Date of event:** 2008  
**End date:** 2008  
F. Mira; A. A. San Blas; V. E. Boria; B. Gimeno. "Proceedings of the 38th European Microwave Conference EUMC 2008".
- 182** **Title of the work:** RF breakdown prediction for microwave passive components in multi-carrier operation  
**Name of the conference:** EUROEM 2008 European Electromagnetics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - poster  
**City of event:** Lausanne, Switzerland  
**Date of event:** 2008  
**End date:** 2008  
S. Anza; M. Mattes; J. Armendariz; J. Gil; C. Vicente; B. Gimeno; V. E. Boria; D. Raboso. "Proceedings of EUROEM 2008".
- 183** **Title of the work:** Refractive Index Sensor Based on Whispering Gallery Modes Resonances of Thin Capillaries  
**Name of the conference:** 33rd European Conference and Exhibition on Optical Communication ECOC07  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Berlin, Germany  
**Date of event:** 2007  
**End date:** 2007



Vanessa Zamora; Antonio Díez; Miguel V. Andrés; Benito Gimeno. "Proceedings ECO07".

- 184** **Title of the work:** Sensores ópticos basados en la excitación de las resonancias azimutales de capilares delgados  
**Name of the conference:** Workshop on sensors. A local approach. UPV  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 2007  
**End date:** 2007  
V. Zamora; A. Díez; M. V. Andrés; B. Gimeno. "Proceedings of Workshop on sensors. A local approach".
- 185** **Title of the work:** Fast and Accurate Analysis and Design of Substrate Integrated Waveguide (SIW) Filters  
**Name of the conference:** 37th European Microwave Conference EUMC 2007  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Munich, Germany  
**Date of event:** 2007  
**End date:** 2007  
F. Mira; A.A. San Blas; V.E. Boria; B. Gimeno. "Proceedings of the 37th European Microwave Conference EUMC 2007".
- 186** **Title of the work:** Whispering Gallery Modes Resonances of Thin Capillaries: applications  
**Name of the conference:** 6th Ibero-American Conference on Optics (RIAO) and 9th Latin-American Meeting on Optics, Lasers and Applications (OPTILAS) 2007  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Campinas (Sao Paulo), Brazil  
**Date of event:** 2007  
**End date:** 2007  
Vanessa Zamora; Antonio Díez; Miguel V. Andrés; Benito Gimeno. "Proceedings of RIAO/OPTILAS 2007".
- 187** **Title of the work:** Efficient Software Tool for the Analysis of Planar-Based Metamaterial Structures  
**Name of the conference:** European Conference on Antennas and Propagation EuCAP 2007  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Edinburgh, United Kingdom  
**Date of event:** 2007  
**End date:** 2007  
F.J. Perez Soler; F.D. Quesada Pereira; A. Alvarez Melcon; V. Boria Esbert; B. Gimeno Martinez. "Proceedings of EuCAP 2007".
- 188** **Title of the work:** An E-plane EBG Waveguide for Dispersion Compensated Transmission of Short Pulses  
**Name of the conference:** Antennas and Propagation International Symposium, 2007 IEEE  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Honolulu (Hawaii), United States of America  
**Date of event:** 2007  
**End date:** 2007  
G. Goussetis; N. Uzunoglou; J.-L. Gómez-Tornero; B. Gimeno; V.E. Boria. "Antennas and Propagation International Symposium, 2007 IEEE Digest".



- 189 Title of the work:** Fast and accurate CAD tool of periodically loaded E-plane filters  
**Name of the conference:** Loughborough Antennas and Propagation Conference LAPC 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** Loughborough, United Kingdom  
**Date of event:** 2006  
**End date:** 2006  
S. Marini; M. Taroncher; V.E. Boria; B. Gimeno; A. Coves; G. Goussetis. "Loughborough Antennas and Propagation Conference LAPC 2006 Digest ISBN 0 947974 41 6".
- 190 Title of the work:** Multipactor Analysis in Microwave Components for High-Power Satellite Applications  
**Name of the conference:** IEEE International Power Modulator Conference 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Washington D.C., United States of America  
**Date of event:** 2006  
**End date:** 2006  
C.Vicente; A.M. Pérez; A. Coves; G. Torregrosa; C. Tienda; J.L. Gómez; F. Quesada; V.E. Boria; B. Gimeno; R. Barco; A. Alvarez. "ISBN 1-4244-0018-X, ISSN: 1930-885-X".
- 191 Title of the work:** Multipactor Analysis in Coaxial Waveguides  
**Name of the conference:** 13th IEEE Mediterranean Electrotechnical Conference MELECON 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Benalmádena, Málaga, Spain  
**Date of event:** 2006  
**End date:** 2006  
C. Tienda; A.M. Pérez; C.P. Vicente; A. Coves; G. Torregrosa; J.F. Sánchez; R. Barco; B. Gimeno; V.E. Boria. "Proceedings of MELECON 2006".
- 192 Title of the work:** Accurate Consideration of Ohmic Losses in Passive Waveguide Circuits for Microwave and Millimeter-wave Applications  
**Name of the conference:** 13th IEEE Mediterranean Electrotechnical Conference MELECON 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Benalmádena, Málaga, Spain  
**Date of event:** 2006  
**End date:** 2006  
M. Taroncher; J. Hueso; S. Cogollos; B. Gimeno; A. Vidal; V.E. Boria; M. Guglielmi. "Proceedings of MELECON 2006".
- 193 Title of the work:** Investigation of Multipactor Phenomena in Passive Waveguide Filters for Space Applications  
**Name of the conference:** 2006 IEEE MTT-S International Microwave Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** San Francisco, California, United States of America  
**Date of event:** 2006  
**End date:** 2006  
F. Quesada; V.E. Boria; B. Gimeno; D. Cañete; J.P. García; A. Alvarez; J. Hueso; D. Schmitt; D. Raboso; C. Ernst; I. Hidalgo. "2006 IEEE MTT-S International Microwave Symposium Digest".



- 194** **Title of the work:** Efficient and Accurate Consideration of Ohmic Losses in Waveguide Diplexers and Multiplexers  
**Name of the conference:** 2006 IEEE MTT-S International Microwave Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, California, United States of America  
**Date of event:** 2006  
**End date:** 2006  
M. Taroncher; J. Hueso; S. Cogollos; A. Vidal; V.E. Boria; B. Gimeno. "2006 IEEE MTT-S International Microwave Symposium Digest".
- 195** **Title of the work:** Multipactor Analysis in Coaxial Waveguides for Satellite Applications using Frequency-Domain Methods  
**Name of the conference:** 2006 IEEE MTT-S International Microwave Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, California, United States of America  
**Date of event:** 2006  
**End date:** 2006  
A.M. Pérez; C. Tienda; C.P. Vicente; A. Coves; G. Torregrosa; B. Gimeno; R. Barco; V.E. Boria; D. Raboso. "2006 IEEE MTT-S International Microwave Symposium Digest".
- 196** **Title of the work:** Efficient Pole Expansion of the Generalized Impedance Matrix Representation for Planar Waveguide Junctions  
**Name of the conference:** 2006 IEEE MTT-S International Microwave Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, California, United States of America  
**Date of event:** 2006  
**End date:** 2006  
F. Mira; A.A. San Blas; V.E. Boria; B. Gimeno; S. Cogollos; M. Bressan; L. Perregrini. "2006 IEEE MTT-S International Microwave Symposium Digest".
- 197** **Title of the work:** CAD of Evanescent Mode Waveguide Filters with Circular Dielectric Resonators  
**Name of the conference:** IEEE AP-S International Symposium 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Albuquerque, New Mexico, United States of America  
**Date of event:** 2006  
**End date:** 2006  
C. Bachiller; H. Esteban; V.E. Boria; J.V. Morro; M. Taroncher; B. Gimeno. "IEEE AP-S International Symposium 2006 Digest".
- 198** **Title of the work:** Comparison Between the Kummer's Transformation and Ewald Method for Evaluation of the Parallel Plate Green's Function  
**Name of the conference:** IEEE AP-S International Symposium 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Albuquerque, New Mexico, United States of America  
**Date of event:** 2006  
**End date:** 2006



F. Quesada; F.J. Pérez; J. P. García; V.E. Boria; B. Gimeno; A. Alvarez. "IEEE AP-S International Symposium 2006 Digest".

- 199** **Title of the work:** Efficient CAD of Generalized Coaxial Probes in Rectangular Waveguide using the 3D BI-RME Method  
**Name of the conference:** 36th European Microwave Conference EUMC 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** Manchester, United Kingdom  
**Date of event:** 2006  
**End date:** 2006  
A.A. San Blas; F. Mira; V.E. Boria; B. Gimeno; G. Conciauro; M. Bressan; P. Arcioni. "Proceedings of the 36th European Microwave Conference EUMC 2006".
- 200** **Title of the work:** Efficient Analysis tool of Inductive Passive Waveguide Components and Circuits using a Novel Spatial Domain Integral Equation Formulation  
**Name of the conference:** 36th European Microwave Conference EUMC 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Manchester, United Kingdom  
**Date of event:** 2006  
**End date:** 2006  
F. Quesada; F.J. Pérez; B. Gimeno; V.E. Boria; J.P. García; J.L. Gómez; A. Alvarez. "Proceedings of the 36th European Microwave Conference EUMC 2006".
- 201** **Title of the work:** Efficient Analysis of Inductive Multiport Waveguide Circuits using a Surface Integral Equation Formulation  
**Name of the conference:** 36th European Microwave Conference EUMC 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Manchester, United Kingdom  
**Date of event:** 2006  
**End date:** 2006  
F. Quesada; F.J. Pérez; B. Gimeno; V.E. Boria; D. Cañete; J.L. Gómez; A. Alvarez. "Proceedings of the 36th European Microwave Conference EUMC 2006".
- 202** **Title of the work:** Efficient Analysis and Design Strategies for Evanescent Mode Ridge Waveguide Filters  
**Name of the conference:** 36th European Microwave Conference EUMC 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Manchester, United Kingdom  
**Date of event:** 2006  
**End date:** 2006  
P. Soto; D. de Llanos; E. Tarín; V.E. Boria; B. Gimeno; A. Oñoro; I. Hidalgo; J.M. Padilla. "Proceedings of the 36th European Microwave Conference EUMC 2006".
- 203** **Title of the work:** Accurate consideration of ohmic losses in passive waveguide circuits for microwave and millimeter-wave applications  
**Name of the conference:** Microwave Technology and Techniques Workshop 2006  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** 'Participatory - poster  
**City of event:** ESA/ESTEC, Noordwijk, Holland



**Date of event:** 2006

**End date:** 2006

M. Taroncher; J. Hueso; S. Cogollos; B. Gimeno; A. Vidal; V.E. Boria; M. Guglielmi. "Abstract Book of Microwave Technology and Techniques Workshop 2006".

- 204** **Title of the work:** Estudio del Fenómeno de Multipactor en Componentes Pasivos Inductivos de Microondas para Aplicaciones Espaciales  
**Name of the conference:** XXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2006  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Oviedo, Asturias, Spain  
**Date of event:** 2006  
**End date:** 2006  
F.D. Quesada Pereira; V.E. Boria; B. Gimeno Martínez; J. Pascual García; J.L. Gómez Tornero; A. Álvarez Melcón. "Programa Libro de Resúmenes URSI 2006".
- 205** **Title of the work:** Análisis Eficiente de Componentes Pasivos Inductivos en Guía Empleando una Nueva Formulación de Ecuación Integral en el Dominio Espacial  
**Name of the conference:** XXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2006  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Oviedo, Asturias, Spain  
**Date of event:** 2006  
**End date:** 2006  
F.D. Quesada Pereira; F. Pérez Soler; B. Gimeno Martínez; V.E. Boria; J. Pascual García; J.L. Gómez Tornero; D. Cañete Rebenaque; A. Álvarez Melcón. "Programa Libro de Resúmenes URSI 2006".
- 206** **Title of the work:** Desarrollo Eficiente en Serie de Polos de la Matriz Generalizada de Impedancias para Uniones Planares  
**Name of the conference:** XXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2006  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Oviedo, Asturias, Spain  
**Date of event:** 2006  
**End date:** 2006  
F. Mira; A.A. San Blas; V.E. Boria; B. Gimeno; S. Cogollos; M. Bressan; L. Perregrini. "Programa Libro de Resúmenes URSI 2006".
- 207** **Title of the work:** Consideración Precisa y Eficiente de las Pérdidas en Multiplexores y Diplexores en Guía de Ondas  
**Name of the conference:** XXI Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2006  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Oviedo, Asturias, Spain  
**Date of event:** 2006  
**End date:** 2006  
Máriam Taroncher; Jaime Hueso; Santiago Cogollos; Ana Vidal; V.E. Boria; Benito Gimeno. "Programa Libro de Resúmenes URSI 2006".



- 208** **Title of the work:** Red de relieve superficial nanométrico equivalente a una red de difracción dieléctrica  
**Name of the conference:** 8ª Reunión Nacional de Óptica  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Alicante, Spain  
**Date of event:** 2006  
**End date:** 2006  
Ángela Coves; Benito Gimeno; Miguel V. Andrés. "Actas de la 8ª Reunión Nacional de Óptica".
- 209** **Title of the work:** On the Rigorous Calculation of All Ohmic Losses in Rectangular Waveguide Multi-Port Junctions  
**Name of the conference:** 2005 IEEE MTT-S International Microwave Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Long Beach, California, United States of America  
**Date of event:** 2005  
**End date:** 2005  
M. Taroncher; S. Cogollos; V.E. Boria; B. Gimeno; A. Vidal; J. Hueso; I. Hidalgo. "2005 IEEE MTT-S Digest".
- 210** **Title of the work:** Efficient CAD of Optimal Multi-Port Junctions Loaded with Partial-Height Cylindrical Posts using the 3D BI-RME Method  
**Name of the conference:** 2005 IEEE MTT-S International Microwave Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Long Beach, California, United States of America  
**Date of event:** 2005  
**End date:** 2005  
A.A. San Blas; F. Mira; V.E. Boria; B. Gimeno; P. Arcioni; M. Bressan; G. Conciauro. "2005 IEEE MTT-S Digest".
- 211** **Title of the work:** Láminas dieléctricas periódicas para procesamiento de señal óptica y de radiofrecuencia  
**Name of the conference:** 4ª Reunión Española de Optoelectrónica OPTOEL 2005  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Elche, Alicante, Spain  
**Date of event:** 2005  
**End date:** 2005  
A. Coves; J. Capmany; A.A. San Blas; J.V. Morro; B. Gimeno; M.V. Andrés. "Libro de Actas OPTOEL 2005".
- 212** **Title of the work:** Efecto de la asimetría de la distribución del índice de refracción en la respuesta de filtros basados en láminas dieléctricas periódicas  
**Name of the conference:** 4ª Reunión Española de Optoelectrónica OPTOEL 2005  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Elche, Alicante, Spain  
**Date of event:** 2005  
**End date:** 2005  
A. Coves; B. Gimeno; M.V. Andrés. "Libro de Actas OPTOEL 2005, pp. 289-292".





- 213** **Title of the work:** Effect of the Asymmetry of the Dielectric Permittivity Distribution in the Filter response of Dielectric Frequency-Selective Surfaces  
**Name of the conference:** 2005 IEEE AP-S and USNC/URSI Meeting  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Washington DC, United States of America  
**Date of event:** 2005  
**End date:** 2005  
A. Coves; B. Gimeno; A.A. San Blas; J.V. Morro; M.V. Andrés; A.M. Pérez. "Proceedings of 2005 IEEE AP-S and USNC/URSI Meeting".
- 214** **Title of the work:** Analysis of Cylindrical Geometries in Rectangular Waveguides using Mode Matching  
**Name of the conference:** 35th European Microwave Conference EUMC 2005  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Paris, France  
**Date of event:** 2005  
**End date:** 2005  
S. Llorente; B. Gimeno; M. Salazar. "Conference Proceedings EUMC 2005".
- 215** **Title of the work:** Fast and Accurate CAD Tool of Passive Rectangular Waveguide Devices including Cylindrical Conducting Posts  
**Name of the conference:** 35th European Microwave Conference EUMC 2005  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Paris, France  
**Date of event:** 2005  
**End date:** 2005  
F. Mira; A.A. San Blas; V.E. Boria; B. Gimeno; M. Bressan; G. Conciauro. "Conference Proceedings EUMC 2005".
- 216** **Title of the work:** Analysis of multipactor effect in dielectric-loaded waveguides  
**Name of the conference:** 5th International Workshop on Multipactor, Corona and Passive Intermodulation in Space RF Hardware, MULCOPIIM 2005  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2005  
**End date:** 2005  
G. Torregrosa; A. Coves; A.A. San Blas; A.M. Pérez; C.P. Vicente; B. Gimeno; V.E. Boria. "Proceedings of MULCOPIIM 2005".
- 217** **Title of the work:** MULTICOAX: A software tool for predicting multipactor RF breakdown threshold in coaxial and circular waveguides  
**Name of the conference:** 5th International Workshop on Multipactor, Corona and Passive Intermodulation in Space RF Hardware, MULCOPIIM 2005  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2005  
**End date:** 2005



A.M. Pérez; C. Tienda; C.P. Vicente; J.F. Sánchez; A. Coves; G. Torregrosa; A.A. San Blas; B Gimeno; V.E. Boria. "Proceedings of MULCOPIIM 2005".

- 218 Title of the work:** Design of a novel inductive band-pass waveguide filter to reduce the risk of multipactor breakdown  
**Name of the conference:** 5th International Workshop on Multipactor, Corona and Passive Intermodulation in Space RF Hardware, MULCOPIIM 2005  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2005  
**End date:** 2005  
J. Hueso; D. Schmitt; D. Raboso; C. Ernst; I. Hidalgo; V.E. Boria; B. Gimeno. "Proceedings of MULCOPIIM 2005".
- 219 Title of the work:** Investigation of multipactor phenomena in cavity filters loaded with dielectric posts and tuning elements  
**Name of the conference:** 5th International Workshop on Multipactor, Corona and Passive Intermodulation in Space RF Hardware, MULCOPIIM 2005  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2005  
**End date:** 2005  
F. Quesada; J.P. García; D. Cañete; J.L. Gómez; B. Gimeno; J. Pérez; A. Vidal; V.E. Boria; A. Álvarez. "Proceedings of MULCOPIIM 2005".
- 220 Title of the work:** Nuevo modelo riguroso para la predicción del efecto multipactor en guía coaxial  
**Name of the conference:** XX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2005  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Gandía, Valencia, Spain  
**Date of event:** 2005  
**End date:** 2005  
A.M. Pérez; B. Gimeno; J.F. Sánchez; C.P. Vicente; A.A. San Blas; A. Coves; G. Torregrosa; V.E. Boria; C. Tienda. "Programa Libro de Resúmenes URSI 2005".
- 221 Title of the work:** Ajuste modal entre geometrías cilíndricas y guías de onda rectangulares  
**Name of the conference:** XX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2005  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Gandía, Valencia, Spain  
**Date of event:** 2005  
**End date:** 2005  
S. Llorente; B. Gimeno; M. Salazar. "Programa Libro de Resúmenes URSI 2005".
- 222 Title of the work:** Simulación de efectos de descarga en medios de transmisión parcialmente rellenos de dieléctrico  
**Name of the conference:** XX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2005



**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Gandía, Valencia, Spain

**Date of event:** 2005

**End date:** 2005

G. Torregrosa; A. Coves; A.A. San Blas; C.P. Vicente; B. Gimeno; A.M. Pérez; V.E. Boria. "Programa Libro de Resúmenes URSI 2005".

**223 Title of the work:** Efecto de la Asimetría de la Distribución de la Permitividad Dieléctrica en la Respuesta de Filtros Basados en Láminas Dieléctricas Periódicas

**Name of the conference:** XX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2005

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Gandía, Valencia, Spain

**Date of event:** 2005

**End date:** 2005

A. Coves; A.A. San Blas; G. Torregrosa; B. Gimeno; M.V. Andrés. "Programa Libro de Resúmenes URSI 2005, pp. 131-132, 2005".

**224 Title of the work:** Caracterización Precisa de las Pérdidas en las Uniones Planares entre Guías de Ondas usando una Técnica de Ecuación Integral

**Name of the conference:** XX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2005

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Gandía, Valencia, Spain

**Date of event:** 2005

**End date:** 2005

M. Taroncher; J. Hueso; S. Cogollos; B. Gimeno; V.E. Boria; A. Vidal; J. Gil; S. Marini. "Programa Libro de Resúmenes URSI 2005".

**225 Title of the work:** Herramienta de Diseño Eficiente y Preciso de Dispositivos Pasivos de Microondas con Postes Conductores

**Name of the conference:** XX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2005

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Gandía, Valencia, Spain

**Date of event:** 2005

**End date:** 2005

F. Mira; A.A. San Blas; V.E. Boria; B. Gimeno; M. Bressan; G. Conciauro. "Programa Libro de Resúmenes URSI 2005".

**226 Title of the work:** Diseño eficiente de filtros de cavidades acopladas con resonadores dieléctricos

**Name of the conference:** XX Simposium Nacional de la Unión Científica Internacional de la Radio URSI 2005

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Gandía, Valencia, Spain

**Date of event:** 2005

**End date:** 2005



C. Bachiller; H. Esteban; V.E. Boria; J.V. Morro; D. Camilleri; B. Gimeno. "Programa Libro de Resúmenes URSI 2005".

- 227** **Title of the work:** Análisis Eficiente de Estructuras Compensadas en Guía Rectangular: Aplicación al Diseño Optimizado de Divisores de Potencia  
**Name of the conference:** XX Symposium Nacional de la Unión Científica Internacional de la Radio URSI 2005  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Gandía, Valencia, Spain  
**Date of event:** 2005  
**End date:** 2005  
A.A. San Blas; F. Mira; V.E. Boria; B. Gimeno; A. Coves; M. Bressan. "Programa Libro de Resúmenes URSI 2005".
- 228** **Title of the work:** Estudio del efecto multipactor en guía coaxial  
**Name of the conference:** XX Symposium Nacional de la Unión Científica Internacional de la Radio URSI 2005  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Gandía, Valencia, Spain  
**Date of event:** 2005  
**End date:** 2005  
C. Tienda; R. Barco; B. Gimeno; A.M. Pérez; V.E. Boria; A. Derderian. "Programa Libro de Resúmenes URSI 2005".
- 229** **Title of the work:** Three-dimensional scattering of periodic dielectric gratings under plane-wave incidence  
**Name of the conference:** 27th ESA Antenna Workshop on Innovative Periodic Antennas: Electromagnetic Bandgap, Left-handed Materials, Fractal and Frequency Selective Surfaces  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - poster  
**City of event:** Santiago de Compostela, La Coruña, Spain  
**Date of event:** 2004  
**End date:** 2004  
A. Coves; A.A. San Blas; B. Gimeno; J. Gil; M.V. Andrés; A. Vidal; V.E. Boria. "Proceedings of 27th ESA Antenna Workshop on Innovative Periodic Antennas".
- 230** **Title of the work:** Scattering of Dielectric Frequency-Selective Surfaces under Three-Dimensional Plane-Wave Incidence  
**Name of the conference:** 2004 IEEE Antennas and Propagation Society International Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Monterey, California, United States of America  
**Date of event:** 2004  
**End date:** 2004  
A. Coves; B. Gimeno; M.V. Andrés; A.A. San Blas; J. Gil. "2004 IEEE Antennas and Propagation Society International Symposium Digest".
- 231** **Title of the work:** Dispersión de Superficies Selectoras de Frecuencia Dieléctricas Bajo incidencia 3D de ondas planas  
**Name of the conference:** XIX Symposium Nacional de la Unión Científica Internacional de Radio URSI 2004



**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Barcelona, Spain  
**Date of event:** 2004  
**End date:** 2004

A. Coves; A. San Blas; J.V. Morro; B. Gimeno; J. Gil; M.V. Andrés; V.E. Boria. "Programa - Libro de Resúmenes URSI 2004".

**232 Title of the work:** Application of the BI-RME Technique to the Analysis of Dielectric Resonators Immersed into Metallic Cavities

**Name of the conference:** Progress in Electromagnetics Research Symposium PIERS 2004

**Type of event:** Conference **Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Pisa, Italy

**Date of event:** 2004

**End date:** 2004

B. Gimeno; M. Bressan; G. Conciauro; V.E. Boria. "Technical Program PIERS 2004".

**233 Title of the work:** Accurate Considerations of Metal Losses in Planar Waveguide Junctions using an Efficient Integral Equation Technique

**Name of the conference:** 2004 IEEE MTT-S International Microwave Symposium IMS 2004

**Type of event:** Conference **Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Forth Worth, Texas, United States of America

**Date of event:** 2004

**End date:** 2004

J. Hueso; S. Cogollos; B. Gimeno; V.E. Boria; A. Vidal; M. Taroncher; H. Esteban; M. Guglielmi. "2004 IEEE MTT-S International Microwave Symposium IMS 2004 Digest".

**234 Title of the work:** Full-Wave Analysis of Coaxial Probes in Rectangular Waveguide: Preliminary Results for Metal-Loaded Cavities and Coaxial to Rectangular Waveguide Transitions

**Name of the conference:** 2004 IEEE Antennas and Propagation Society International Symposium

**Type of event:** Conference **Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Monterey, California, United States of America

**Date of event:** 2004

**End date:** 2004

A.A. San Blas; F. Mira; A. Coves; M. Taroncher; V.E. Boria; B. Gimeno; M. Bressan. "2004 IEEE Antennas and Propagation Society International Symposium Digest".

**235 Title of the work:** Análisis Multimodal Eficiente de Uniones Planares entre Guías Arbitrarias: Aplicación a la Excitación Coaxial de Dispositivos

**Name of the conference:** XIX Simposium Nacional de la Unión Científica Internacional de Radio URSI 2004

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Barcelona, Spain

**Date of event:** 2004

**End date:** 2004

A. A. San Blas; A. Coves; J.V. Morro; B. Gimeno; J. Gil; V.E. Boria; S. Marini. "Programa - Libro de Resúmenes URSI 2004".



- 236** **Title of the work:** Análisis multimodal de codos circulares en guía rectangular mediante el método de la ecuación integral  
**Name of the conference:** XIX Simposium Nacional de la Unión Científica Internacional de Radio URSI 2004  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Barcelona, Spain  
**Date of event:** 2004  
**End date:** 2004  
J. Gil; B. Gimeno; A.M. Pérez; A.A. San Blas; A. Coves; V.E. Boria. "Programa - Libro de Resúmenes URSI 2004".
- 237** **Title of the work:** FEST3D - A microwave circuits design tool for space applications  
**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2004  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** CNES, Toulouse, France  
**Date of event:** 2004  
**End date:** 2004  
B. Casali; J. Gil; M. Ghilardi; F.-J. Goerz; F.M. Vanin; D. Schmitt; M. Mattes; J. Mosig; H.L. Hartnagel; N. Llombart; G. Gerini; P. Arcioni; G. Conciauro; V.E. Boria; B. Gimeno. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2004".
- 238** **Title of the work:** Fast and Rigorous Analysis of Waveguide Filters including All Metallic Losses Effects  
**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2004  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** CNES, Toulouse, France  
**Date of event:** 2004  
**End date:** 2004  
M. Taroncher; J. Hueso; S. Cogollos; B. Gimeno; V.E. Boria; A. Vidal; H. Esteban; M. Guglielmi. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2004".
- 239** **Title of the work:** Modal Computation of Arbitrary Waveguides Composed of Linear, Circular and Elliptical Arcs  
**Name of the conference:** 2003 IEEE Microwave Theory and Techniques - Symposium International  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Philadelphia, United States of America  
**Date of event:** 2003  
**End date:** 2003  
S. Cogollos; S. Marini; P. Soto; H. Esteban; J.V. Morro; V.E. Boria; B. Gimeno. "Microwave Symposium Digest, 2003 IEEE MTT-S International".
- 240** **Title of the work:** Automated design of waveguide filters using Aggressive Space Mapping with a segmentation strategy and hybrid optimization techniques  
**Name of the conference:** 2003 IEEE Microwave Theory and Techniques - Symposium International  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Philadelphia, United States of America  
**Date of event:** 2003  
**End date:** 2003



J.V. Morro; H. Esteban; P. Soto; V.E. Boria; C. Bachiller; S. Cogollos; B. Gimeno. "Microwave Symposium Digest, 2003 IEEE MTT-S International".

- 241 Title of the work:** Hybridized direct search, gradient and simplex algorithm for the automated design of waveguide filters  
**Name of the conference:** International Congress on Evolutionary Methods for Design, Optimization and Control with Applications to Industrial problems, EUROGEN 2003  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Barcelona, Spain  
**Date of event:** 2003  
**End date:** 2003  
J.V. Morro; H. Esteban; P. Soto; V.E. Boria; S. Cogollos; B. Gimeno. "Proceedings of EUROGEN 2003".
- 242 Title of the work:** Analysis and Applications of Dielectric Frequency-Selective Surfaces under Plane-Wave Excitation  
**Name of the conference:** IEEE Antennas and Propagation Society International Symposium 2003  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Columbus, Ohio, United States of America  
**Date of event:** 2003  
**End date:** 2003  
A. Coves; B. Gimeno; M.V. Andrés; A. San Blas; V.E. Boria; J.V. Morro. "IEEE Antennas and Propagation Society International Symposium 2003 Digest".
- 243 Title of the work:** Analysis and Applications of One-Dimensional Periodic Dielectric Gratings under Plane Wave Excitation  
**Name of the conference:** 9th International Symposium on Microwave and Optical Technology ISMOT 2003  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Ostrava, Czech Republic  
**Date of event:** 2003  
**End date:** 2003  
A. Coves; A.A. San Blas; B. Gimeno; M.V. Andrés; V.E. Boria; A. Vidal. "Book of Abstracts ISMOT 2003".
- 244 Title of the work:** Fast Calculation of the Green's Functions of a Boxed Cavity Resonator by Means of Ewald's Technique  
**Name of the conference:** 9th International Symposium on Microwave and Optical Technology ISMOT 2003  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Ostrava, Czech Republic  
**Date of event:** 2003  
**End date:** 2003  
A.A. San Blas; A. Coves; M. Bressan; V.E. Boria; B. Gimeno; J.V. Morro. "Book of Abstracts ISMOT 2003".
- 245 Title of the work:** Hybrid full-wave simulator for the multipaction modelling of low-cost H-plane filters  
**Name of the conference:** 4th International Workshop on Multipactor, Corona and Passive Intermodulation in Space RF Hardware MULCOPIM 2003  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 2003



**End date:** 2003

H. Esteban; J.V. Morro; V.E. Boria; C. Bachiller; B. Gimeno; L. Conde. "MULCOPIIM 2003 Digest".

**246 Title of the work:** Contributions to the Analysis and Design of All-Inductive Filters with Dielectric Resonators

**Name of the conference:** 33rd European Microwave Conference 2003

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Munich, Germany

**Date of event:** 2003

**End date:** 2003

V.E. Boria; M. Bozzi; D. Camilleri; A. Coves; H. Esteban; B. Gimeno; M. Guglielmi; L. Polini. "33rd European Microwave Conference 2003 Proceedings".

**247 Title of the work:** Efficient Full-wave Modal Analysis of Arbitrarily Shaped Waveguides using BI-RME and Nyström Methods

**Name of the conference:** 33rd European Microwave Conference 2003

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Munich, Germany

**Date of event:** 2003

**End date:** 2003

M. Taroncher; A. Vidal; V.E. Boria; S. Marini; P. Soto; S. Cogollos; B. Gimeno. "33rd European Microwave Conference 2003 Proceedings".

**248 Title of the work:** Análisis y diseño de dispositivos ópticos integrados basados en láminas de cristal fotónico

**Name of the conference:** 3ª Reunión Española de Optoelectrónica OPTOEL'03

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Leganés, Madrid, Spain

**Date of event:** 2003

**End date:** 2003

J.A. Monsoriu; E. Silvestre; M.V. Andrés; B. Gimeno; P. Andrés. "Actas del Congreso OPTOEL'03".

**249 Title of the work:** Modelización de las propiedades de transmisión de guías de ondas con subestructuras periódicas

**Name of the conference:** 7ª Reunión Nacional de Óptica

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Santander, Cantabria, Spain

**Date of event:** 2003

**End date:** 2003

J.A. Monsoriu; E. Silvestre; M.V. Andrés; B. Gimeno; P. Andrés. "Actas de la 7ª Reunión Nacional de Óptica".

**250 Title of the work:** Análisis y diseño de fibras microestructuradas, dispositivos fotónicos y guías

**Name of the conference:** 7ª Reunión Nacional de Óptica

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** Santander, Cantabria, Spain

**Date of event:** 2003





**End date:** 2003

A. Ferrando; E. Silvestre; M. Zacarés; P. Andrés; M.V. Andrés; B. Gimeno; P. Fernández de Córdoba; L. Monreal; J.J. Miret; J.A. Monsoriu; D. Binosi. "Actas de la 7ª Reunión Nacional de Óptica".

**251 Title of the work:** Diseño y aplicaciones de superficies selectoras de frecuencia dieléctricas  
**Name of the conference:** XVIII Simposium Nacional de la Unión Científica Internacional de Radio URSI 2003

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** A Coruña, Spain

**Date of event:** 2003

**End date:** 2003

A. Coves; A.A. San Blas; B. Gimeno; M.V. Andrés; V.E. Boria; D. Camilleri. "Programa - Libro de Resúmenes URSI 2003".

**252 Title of the work:** Cálculo Acelerado de las Funciones de Green de una Cavidad Rectangular para su Aplicación a la Excitación Coaxial de Dispositivos en Guía  
**Name of the conference:** XVII Simposium Nacional de la Unión Científica Internacional de Radio URSI 2003

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**City of event:** A Coruña, Spain

**Date of event:** 2003

**End date:** 2003

A.A. San Blas; A. Coves; M. Bressan; G. Conciauro; V.E. Boria; B. Gimeno. "Programa - Libro de Resúmenes URSI 2003".

**253 Title of the work:** Efficient Analysis of Waveguide Filters by the Integral Equation Technique and the BI-RME Method

**Name of the conference:** 2002 IEEE MTT-S International Microwave Symposium

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Seattle, Washington, United States of America

**Date of event:** 2002

**End date:** 2002

V.E. Boria; M. Bozzi; F. Bruni; S. Cogollos; G. Conciauro; B. Gimeno; L. Perregri. "2002 IEEE MTT-S International Microwave Symposium Digest".

**254 Title of the work:** S-domain modeling of conducting post in rectangular waveguides by the BI-RME method  
**Name of the conference:** 32th European Microwave Conference EUMC 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Milano, Italy

**Date of event:** 2002

**End date:** 2002

M. Bressan; F. Mira; G. Conciauro; V. Boria; B. Gimeno. "Conference Proceedings EUMC 2002".

**255 Title of the work:** Analysis of H-plane Waveguide Components with Dielectric Obstacles by the BI-RME Method

**Name of the conference:** 32th European Microwave Conference EUMC 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication



**City of event:** Milano, Italy

**Date of event:** 2002

**End date:** 2002

P. Arcioni; V. Boria; M. Bozzi; G. Conciauro; B. Gimeno. "Conference Proceedings EUMC 2002".

**256 Title of the work:** Analysis of Frequency Selective Surfaces by the BI-RME Method Combined with an Integral Equation Formulation

**Name of the conference:** 32th European Microwave Conference EUMC 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** Milano, Italy

**Date of event:** 2002

**End date:** 2002

V.E. Boria; M. Bozzi; F. Bruni; G. Conciauro; B. Gimeno; L. Perregrini. "Conference Proceedings EUMC 2002".

**257 Title of the work:** Millimetre-Wave and Microwave Components Design Framework for Ground and Space Multimedia Network (MMCODEF)

**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** CNES, Toulouse, France

**Date of event:** 2002

**End date:** 2002

B. Casali; F.-J. Goertz; D. Schmitt; J. Mosig; G. Gerini; H.L. Hartnagel; G. Conciauro; V. Boria; B. Gimeno. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2002".

**258 Title of the work:** DESAFIO 1.0: A Novel CAD Tool for the Automated and Optimized Design of Inductively Coupled Rectangular Waveguide Filters

**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** CNES, Toulouse, France

**Date of event:** 2002

**End date:** 2002

J.V. Morro; H. Esteban; P. Soto; A.A. San Blas; V.E. Boria; B. Gimeno. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2002".

**259 Title of the work:** Efficient Analysis of H-plane Dielectric Resonator Waveguide Filters by the BI-RME Method

**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** CNES, Toulouse, France

**Date of event:** 2002

**End date:** 2002

P.Arcioni; V. Boria; M. Bozzi; G. Conciauro; B. Gimeno. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2002".

**260 Title of the work:** Analysis and Design of Passive Waveguide Devices with Rounded Corners

**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2002

**Type of event:** Conference

**Geographical area:** International



**Type of participation:** Participatory - oral communication

**City of event:** CNES, Toulouse, France

**Date of event:** 2002

**End date:** 2002

S. Cogollos; H. Esteban; A.A. San Blas; V.E. Boria; D. Camilleri; B. Gimeno; M. Guglielmi. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2002".

**261 Title of the work:** Efficient Analysis of In-Line Waveguide Filters by the Integral Equation Technique Coupled to the BI-RME Method

**Name of the conference:** ESA-CNES International Workshop on Microwave Filters 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** CNES, Toulouse, France

**Date of event:** 2002

**End date:** 2002

V.E. Boria; M. Bozzi; F. Bruni; S. Cogollos; G. Conciauro; B. Gimeno; L. Perregrini. "Proceedings of ESA-CNES International Workshop on Microwave Filters 2002".

**262 Title of the work:** Scattering by Dielectric Frequency-Selective Surfaces using a Vectorial Modal Method

**Name of the conference:** IEEE Antennas and Propagation Society International Symposium 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** San Antonio, Texas, United States of America

**Date of event:** 2002

**End date:** 2002

A. Coves; B. Gimeno; D. Camilleri; M.V. Andrés; A. San Blas; V.E. Boria. "IEEE AP-S International Symposium 2002 Digest".

**263 Title of the work:** Optimization Methods for the Automated Electromagnetic Design of Inductively Coupled Rectangular Waveguide Filters

**Name of the conference:** IEEE Antennas and Propagation Society International Symposium 2002

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** San Antonio, Texas, United States of America

**Date of event:** 2002

**End date:** 2002

J.V. Morro; H. Esteban; P.Soto; A.A. San Blas; V.E. Boria; B. Gimeno. "IEEE AP-S International Symposium 2002 Digest".

**264 Title of the work:** Efficient and Accurate Analysis of Waveguide Diplexers using Hybrid Methods and Integral Equation Techniques

**Name of the conference:** 2002 IEEE AP-S International Symposium and USNC/URSI National Radio Science Meeting

**Type of event:** Conference

**Geographical area:** International

**Type of participation:** Participatory - oral communication

**City of event:** San Antonio, Texas, United States of America

**Date of event:** 2002

**End date:** 2002

S. Cogollos; V.E. Boria; H. Esteban; A.A. San Blas; S. Marini; B. Gimeno. "IEEE AP - S International Symposium 2002 Digest".



- 265** **Title of the work:** Efficient Technique for the Analysis of Cylindrical Dielectric Resonators in Rectangular Waveguide Cavities  
**Name of the conference:** Progress in Electromagnetics Research Symposium PIERS 2002  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Cambridge (Boston), Massachusetts, United States of America  
**Date of event:** 2002  
**End date:** 2002  
D. Camilleri; B. Gimeno; A. Coves; M.V. Andrés; A.A. San Blas; H. Esteban; V.E. Boria. "Proceedings PIERS 2002".
- 266** **Title of the work:** DESAFIO 1.0: A Novel CAD Tool for the Automated Design of Inductively Coupled Rectangular Waveguide Filters  
**Name of the conference:** Progress in Electromagnetics Research Symposium PIERS 2002  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Cambridge (Boston), Massachusetts, United States of America  
**Date of event:** 2002  
**End date:** 2002  
J.V. Morro; H. Esteban; P. Soto; A.A. San Blas; V.E. Boria; B. Gimeno. "Proceedings PIERS 2002".
- 267** **Title of the work:** Efficient Full-Wave Modal Analysis of Waveguides with Arbitrary Geometry Defined by Straight, Circular and Elliptical Segments  
**Name of the conference:** Progress in Electromagnetics Research Symposium PIERS 2002  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Cambridge (Boston), Massachusetts, United States of America  
**Date of event:** 2002  
**End date:** 2002  
S. Marini; P. Soto; S. Cogollos; V.E. Boria; B. Gimeno. "Proceedings PIERS 2002".
- 268** **Title of the work:** Efficient Techniques for the Accurate Analysis and Design of Passive Waveguide Components with Arbitrary Geometry  
**Name of the conference:** Progress in Electromagnetics Research Symposium PIERS 2002  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Cambridge (Boston), Massachusetts, United States of America  
**Date of event:** 2002  
**End date:** 2002  
V.E. Boria; S. Cogollos; H. Esteban; A.A. San Blas; B. Gimeno. "Proceedings PIERS 2002".
- 269** **Title of the work:** Desarrollo de dispositivos pasivos de microondas y milimétricas en guía de onda considerando efectos de mecanizado  
**Name of the conference:** XII Jornadas TELECOM I+D 2002  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Madrid, Barcelona, Valencia, Spain  
**Date of event:** 2002  
**End date:** 2002  
V.E. Boria; S. Cogollos; H. Esteban; P. Soto; A.A. San Blas; B. Gimeno. "Actas de XII Jornadas TELECOM I+D 2002".



- 270** **Title of the work:** Análisis de superficies selectoras de frecuencia dieléctricas mediante un método modal vectorial  
**Name of the conference:** XVII Simposium Nacional de la Unión Científica Internacional de Radio URSI 2002  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Alcalá de Henares, Madrid, Spain  
**Date of event:** 2002  
**End date:** 2002  
A. Coves; B. Gimeno; D. Camilleri; M. Andrés; A. San Blas; V.E. Boria. "Libro de Abstracts URSI 2002".
- 271** **Title of the work:** Modelización de guías de onda y láminas microestructuradas  
**Name of the conference:** 2ª Reunión Española de Optoelectrónica OPTOEL 2001  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Barcelona, Spain  
**Date of event:** 2001  
**End date:** 2001  
E. Silvestre; A. Ferrando; J.J. Miret; J.A. Monsoriu; P. Andrés; M.V. Andrés; B. Gimeno. "Libro de Actas OPTOEL 2001".
- 272** **Title of the work:** Efficient CAD Tool for Inductively Coupled Rectangular Waveguide Filters with Rounded Corners  
**Name of the conference:** 31st European Microwave Conference EUMC 2001  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** London, United Kingdom  
**Date of event:** 2001  
**End date:** 2001  
S. Cogollos; V.E. Boria; P. Soto; B. Gimeno; M. Guglielmi. "Conference Proceedings EUMC 2001".
- 273** **Title of the work:** Caracterización multimodal completa de codos circulares en guía rectangular  
**Name of the conference:** XVI Simposium Nacional de la Unión Científica Internacional de Radio URSI 2001  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Villaviciosa de Odón, Madrid, Spain  
**Date of event:** 2001  
**End date:** 2001  
A.A. San Blas; V.E. Boria; H. Esteban; A. Monerris; B. Gimeno; A. Coves. "Libro de Actas URSI 2001".
- 274** **Title of the work:** Efficient Analysis of Multi-Port Junctions with Arbitrarily Shaped Waveguide Ports using a Segmentation Technique and Hybrid Matrix Formulation  
**Name of the conference:** 3ème Conférence Européenne sur les Méthodes Numériques en Electromagnétisme NUMELEC'2000  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Futuroscope, Poitiers, France  
**Date of event:** 2000  
**End date:** 2000  
S. Cogollos; V.E. Boria; H. Esteban; M. Guglielmi; B. Gimeno. "Proceedings of NUMELEC'2000".



- 275** **Title of the work:** Scattering Analysis of Inhomogeneously Dielectric-Filled Cavities  
**Name of the conference:** 6th Granada Seminar on Computational Physics  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Granada, Spain  
**Date of event:** 2000  
**End date:** 2000  
J.A. Monsoriu; B. Gimeno; E. Silvestre; A. Ferrando; M.V. Andrés. "Proceedings of 6th Granada Seminar on Computational Physics".
- 276** **Title of the work:** Componentes de fibra óptica: Redes de Bragg y fibras metalizadas  
**Name of the conference:** 6ª Reunión Nacional de Óptica  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Medina del Campo, Valladolid, Spain  
**Date of event:** 2000  
**End date:** 2000  
M.V. Andrés; J.L. Cruz; A. Díez; B. Gimeno; L. Martínez; J. Mora; A. Coves; J. Capmany; B. Ortega; D. Pastor. "Actas de la 6ª Reunión Nacional de Óptica".
- 277** **Title of the work:** Bi-orthonormal-basis method applied to the study of dielectric-loaded waveguides and 2D photonic crystals guides for millimeter applications  
**Name of the conference:** European Congress on Computational Methods in Applied Sciences and Engineering ECCOMAS 2000  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Barcelona, Spain  
**Date of event:** 2000  
**End date:** 2000  
A. Coves; B. Gimeno; M.A. Abián; E. Silvestre; A. Ferrando; V. Boria; A. Díez; M.V. Andrés. "Book of Abstracts ECCOMAS 2000".
- 278** **Title of the work:** Dispositivos y sistemas de fibra óptica: procesadores ópticos de señal y sensores  
**Name of the conference:** I Seminario del Programa Nacional de Tecnologías de la Información y las Comunicaciones TEDEA 2000  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Almagro, Ciudad Real, Spain  
**Date of event:** 2000  
**End date:** 2000  
J.L. Cruz; A. Díez; B. Gimeno; L.I. Martínez-León; A. Coves; J. Mora; M.V. Andrés. "Actas de TEDEA 2000".
- 279** **Title of the work:** Desarrollo de Nuevos Componentes en las bandas de Microondas y Milimétricas para Futuros Sistemas de Radiocomunicaciones  
**Name of the conference:** X Jornadas de I+D en Telecomunicaciones 2000: Perspectivas Tecnológicas para el Tercer Milenio  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Madrid, Spain  
**Date of event:** 2000  
**End date:** 2000



V.E. Boria; S. Cogollos; P. Soto; H. Esteban; B. Gimeno. "Actas de X Jornadas de I+D en Telecomunicaciones 2000".

- 280** **Title of the work:** Efficient modal analysis of corrugated chokes for microwave heating systems  
**Name of the conference:** 7th International Conference on Microwave and High Frequency Heating 1999  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 1999  
**End date:** 1999  
P. Soto; V.E. Boria; J.M. Catalá; N. Chouaib; B. Gimeno. "Book of Proceedings of 7th International Conference on Microwave and High Frequency Heating 1999".
- 281** **Title of the work:** Efficient modal analysis of corrugated chokes for continuous flow microwave heating systems  
**Name of the conference:** 7th International Symposium on Recent Advances in Microwave Technologies ISRAMT'99  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Málaga, Spain  
**Date of event:** 1999  
**End date:** 1999  
P. Soto; V.E. Boria; J.M. Catalá; N. Chouaib; B. Gimeno. "Proceedings of ISRAMT'99".
- 282** **Title of the work:** Efficient CAD for microwave filters  
**Name of the conference:** Onzièmes Journées Nationales Microondes 1999  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Arcachon, France  
**Date of event:** 1999  
**End date:** 1999  
A. Álvarez; V.E. Boria; G. Gerini; B. Gimeno; M. Guglielmi; P. Arcioni. "Proceedings of Onzièmes Journées Nationales Microondes 1999".
- 283** **Title of the work:** Líneas de investigación en fibras ópticas en la Universidad de Valencia  
**Name of the conference:** Reunión Española de Optoelectrónica OPTOEL'99  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Teruel, Spain  
**Date of event:** 1999  
**End date:** 1999  
J.L. Cruz; A. Díez; B. Gimeno; Ll. Martínez-León; A. Coves; M.V. Andrés; E. Silvestre; A. Ferrando; J.J. Miret; J.A. Monsoriu; P. Andrés. "Libro de Actas de OPTOEL'99".
- 284** **Title of the work:** Guías y Fibras Ópticas en la Universidad de Valencia  
**Name of the conference:** Reunión Española de Optoelectrónica OPTOEL'99  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Teruel, Spain  
**Date of event:** 1999  
**End date:** 1999



M.V. Andrés; J.L. Cruz; A. Díez; B. Gimeno; LI. Martínez-León; A. Coves; P. Andrés; E. Silvestre; A.Ferrando; J.J. Miret; J.A. Monsoriu. "Libro de Actas de OPTOEL'99".

- 285** **Title of the work:** Determinación indirecta de la velocidad de la luz en el vacío mediante un circuito resonante  
**Name of the conference:** XXVII Reunión Bienal de la Real Sociedad Española de Física  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Valencia, Spain  
**Date of event:** 1999  
**End date:** 1999  
I. Martí; M. Vegara; B. Gimeno; M.A. Sanchis. "Práctica expuesta durante la celebración del congreso".
- 286** **Title of the work:** A new equiripple power splitter for radio links applications  
**Name of the conference:** 28th European Microwave Conference EUMC 1998  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Amsterdam, Holland  
**Date of event:** 1998  
**End date:** 1998  
M. Guglielmi; B. Gimeno; T. Kjoede. "Conference Proceedings of EUMC 1998".
- 287** **Title of the work:** Análisis multimodal de codos circulares en plano E y plano H en guia rectangular  
**Name of the conference:** XIII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 1998  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Pamplona, Navarra, Spain  
**Date of event:** 1998  
**End date:** 1998  
E. Valdés; V.E. Boria; B. Gimeno. "Actas URSI 1998".
- 288** **Title of the work:** Análisis Eficiente de una Unión Cúbica de Guías Rectangulares y Aplicaciones  
**Name of the conference:** XIII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 1998  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Pamplona, Navarra, Spain  
**Date of event:** 1998  
**End date:** 1998  
S. Cogollos; H. Esteban; V.E. Boria; B. Gimeno. "Actas URSI 1998".
- 289** **Title of the work:** Dispositivos y sistemas de fibra óptica: Aplicaciones  
**Name of the conference:** 5ª Reunión Nacional de Óptica  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 1997  
**End date:** 1997  
M.V. Andrés; J.L. Cruz; A. Díez; B. Ortega; B. Gimeno. "Libro de Actas de la 5ª Reunión Nacional de Óptica".





- 290** **Title of the work:** Red formadora de haces para baterías de antenas de microondas basada en redes de difracción dispersivas en fibra óptica  
**Name of the conference:** XII Simposium Nacional de la Unión Científica Internacional de la Radio URSI 1997  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Bilbao, Vizcaya, Spain  
**Date of event:** 1997  
**End date:** 1997  
J.L. Cruz; B. Ortega; B. Gimeno; M.V. Andrés; J. Capmany. "Actas URSI 1997".
- 291** **Title of the work:** Multimode network representation for H- and E-plane uniform bends in rectangular waveguide  
**Name of the conference:** 1995 IEEE MTT-S International  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Orlando, Florida, United States of America  
**Date of event:** 1995  
**End date:** 1995  
B. Gimeno, M. Guglielmi. "Microwave Symposium Digest, 1995 IEEE MTT-S International".
- 292** **Title of the work:** Multimode equivalent network representation for H-plane Y-junctions in rectangular waveguide  
**Name of the conference:** ESA Workshop on Advanced CAD for Microwave Filters and Passive Devices  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** ESA/ESTEC, Noordwijk, Holland  
**Date of event:** 1995  
**End date:** 1995  
B. Gimeno, M. Guglielmi. "Proceedings of ESA Workshop on Advanced CAD for Microwave Filters and Passive Devices".
- 293** **Title of the work:** Difracción de un haz electromagnético por una rejilla de cintas conductoras  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1993. VIII Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 1993  
**End date:** 1993  
B. Gimeno; J.L. Marquina; T. Bordallo; J. Navasquillo; F. Pomer. "Actas URSI 1993".
- 294** **Title of the work:** Estudio de la dispersión electromagnética de una rejilla infinita de cintas conductoras impresa en un sustrato dieléctrico  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1992. VII Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Málaga, Spain  
**Date of event:** 1992  
**End date:** 1992  
B. Gimeno; J.L. Cruz; E. A. Navarro; V. Such. "Actas URSI 1992".



- 295** **Title of the work:** Comportamiento inverso de lentes de microondas de líneas de transmisión  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1992. VII Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Málaga, Spain  
**Date of event:** 1992  
**End date:** 1992  
J. L. Cruz; E. A. Navarro; B. Gimeno; V. Such. "Actas URSI 1992".
- 296** **Title of the work:** Radiación de una guía abierta en el plano H: estudio por diferencias finitas en el dominio del tiempo  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1992. VII Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Málaga, Spain  
**Date of event:** 1992  
**End date:** 1992  
L. Gallart; E.A. Navarro; B. Gimeno; J.L. Cruz; V. Such. "Actas URSI 1992".
- 297** **Title of the work:** Análisis por diferencias finitas en el dominio del tiempo (FD-TD) de discontinuidades en guías de onda  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1991. VI Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Cáceres, Spain  
**Date of event:** 1991  
**End date:** 1991  
E.A. Navarro; V. Such; B. Gimeno; J.L. Cruz. "Actas URSI 1991".
- 298** **Title of the work:** Comparative study of different microstrip tapers used like electromagnetic radiators into a two-dimensional space  
**Name of the conference:** IEEE AP-S International Symposium and URSI Radio Science Meeting 1990  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Dallas, Texas, United States of America  
**Date of event:** 1990  
**End date:** 1990  
J.L. Cruz; V. Such; B. Gimeno; A.C. García. "Proceedings of IEEE AP-S International Symposium and URSI Radio Science Meeting 1990".
- 299** **Title of the work:** Estudio de la influencia de la zona de aletas en la radiación de bocinas microcinta abiertas mediante aletas conductoras  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1990. V Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Vigo, Pontevedra, Spain  
**Date of event:** 1990  
**End date:** 1990  
A.C. García; V. Such; J.L. Cruz; B. Gimeno. "Actas URSI 1990".



- 300** **Title of the work:** Análisis modal de las discontinuidades en bocinas de microcinta abiertas mediante aletas conductoras  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1990. V Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Vigo, Pontevedra, Spain  
**Date of event:** 1990  
**End date:** 1990  
A.C. García; V. Such; J.L. Cruz; B. Gimeno. "Actas URSI 1990".
- 301** **Title of the work:** Análisis de la transmisión de una onda plana con incidencia oblicua sobre una estructura de microcintas con periodicidad unidimensional mediante descomposición modal en modos tipo-E, tipo-H  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1990. V Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Vigo, Pontevedra, Spain  
**Date of event:** 1990  
**End date:** 1990  
B. Gimeno; V. Such; J.L. Cruz; A.C. García. "Actas URSI 1990".
- 302** **Title of the work:** Análisis modal de discontinuidades en sistemas guiadores con estructura radial  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1990. V Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Vigo, Pontevedra, Spain  
**Date of event:** 1990  
**End date:** 1990  
J.L. Cruz; V. Such; B. Gimeno; A.C. García. "Actas URSI 1990".
- 303** **Title of the work:** Microwave broadband phased array element: Design and performance (Microstrip horn opened by conducting flaps)  
**Name of the conference:** 1989 IEEE MTT-S International Microwave Symposium  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Long Beach, California, United States of America  
**Date of event:** 1989  
**End date:** 1989  
A.C. García; V. Such; J.L. Cruz; B. Gimeno. "1989 IEEE MTT-S International Microwave Symposium Digest".
- 304** **Title of the work:** Simulation and experimental study of a multilayered wire grating polarizer  
**Name of the conference:** 1989 International Symposium on Antennas and Propagation ISAP'89  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Tokyo, Japan  
**Date of event:** 1989  
**End date:** 1989  
B. Gimeno; V. Such; A.C. García; J.L. Cruz. "Proceedings of ISAP'89".



- 305** **Title of the work:** C-X-Ku bands element for phased arrays  
**Name of the conference:** International Conference on Electromagnetics in Aerospace Applications ICEAA 1989  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Torino, Italy  
**Date of event:** 1989  
**End date:** 1989  
A.C. García; V. Such; J.L. Cruz; B. Gimeno. "Proceedings of ICEAA 1989".
- 306** **Title of the work:** Design and optimization of a broadband multistage polarizer-radome  
**Name of the conference:** International Conference on Electromagnetics in Aerospace Applications ICEAA 1989  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Torino, Italy  
**Date of event:** 1989  
**End date:** 1989  
B. Gimeno; V. Such; A.C. García; J.L. Cruz. "Proceedings of ICEAA 1989".
- 307** **Title of the work:** An approximate method of determining phase centers of microstrip continuous tapers radiating in a parallel plate region and its application to microstrip Rotman Lens  
**Name of the conference:** International Symposium on Antennas and EM Theory ISAE'89  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Shanghai, China  
**Date of event:** 1989  
**End date:** 1989  
J.L. Cruz; V. Such; B. Gimeno; A.C. García. "Proceedings of ISAE'89".
- 308** **Title of the work:** Modeling a multilayered strip grating polarizer radome  
**Name of the conference:** International Symposium on Antennas and EM Theory ISAE'89  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Shanghai, China  
**Date of event:** 1989  
**End date:** 1989  
V. Such; B. Gimeno; A.C. García; J.L. Cruz. "Proceedings of ISAE'89".
- 309** **Title of the work:** Microwave phased-array element design using a matching technique  
**Name of the conference:** SBMO'89 International Microwave Symposium Brazil  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Sao Paulo, Brazil  
**Date of event:** 1989  
**End date:** 1989  
A.C. García; V. Such; J.L. Cruz; B. Gimeno. "Proceedings of SBMO'89 International Microwave Symposium Brazil".



- 310** **Title of the work:** A study of radial waves in a parallel conducting plate waveguide and its application to microstrip Rotman Lens  
**Name of the conference:** SBMO'89 International Microwave Symposium Brazil  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Sao Paulo, Brazil  
**Date of event:** 1989  
**End date:** 1989  
J.L. Cruz; V. Such; B. Gimeno; A.C. García. "Proceedings of SBMO'89 International Microwave Symposium Brazil".
- 311** **Title of the work:** Broadband multistage polarizer radome for a phased array antenna  
**Name of the conference:** The 1989 URSI International Symposium on Electromagnetic Theory  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Stockholm, Sweden  
**Date of event:** 1989  
**End date:** 1989  
B. Gimeno; V. Such; A. C. García; J. L. Cruz. "Proceedings of The 1989 URSI International Symposium on Electromagnetic Theory".
- 312** **Title of the work:** Diseño y estudio experimental de un radiador elemental para arrays en fase en banda ancha  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1989. IV Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 1989  
**End date:** 1989  
A.C. García; V. Such; J.L. Cruz; B. Gimeno; P. Párbole. "Actas URSI 1989".
- 313** **Title of the work:** Optimización de un radomo polarizador de banda ancha  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1989. IV Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 1989  
**End date:** 1989  
B. Gimeno; V. Such; A.C. García; J.L. Cruz; F. Costas. "Actas URSI 1989".
- 314** **Title of the work:** Optimización de la geometría de los arrays de una lente de Rotman en tecnología impresa  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1989. IV Symposium Nacional  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 1989  
**End date:** 1989  
J.L. Cruz; V. Such; B. Gimeno; A.C. García. "Actas URSI 1989".



- 315** **Title of the work:** Modelo de línea de transmisión de un polarizador multietapa de varillas conductoras  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1988. Comité Español. VII Reunión de la Comisión B (Campos y Ondas)  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Cuenca, Spain  
**Date of event:** 1988  
**End date:** 1988  
A.C. García; V. Such; B. Gimeno; J.L. Cruz. "Actas URSI 1988".
- 316** **Title of the work:** Diseño (CAD) de una lente de Rotman en tecnología microstrip  
**Name of the conference:** Unión Científica Internacional de Radio URSI 1988. Comité Español. VII Reunión de la Comisión B (Campos y Ondas)  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Cuenca, Spain  
**Date of event:** 1988  
**End date:** 1988  
J.L. Cruz; V. Such; B. Gimeno; F. Costas. "Actas URSI 1988".
- 317** **Title of the work:** Analysis and synthesis of multistage polarizer radome  
**Name of the conference:** 5th International Symposium on Antennas JINA'88  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Nice, France  
**Date of event:** 1988  
**End date:** 1988  
A.C. García; V. Such; B. Gimeno; J.L. Cruz. "Proceedings of JINA'88".
- 318** **Title of the work:** Modeling a multilayered wire gratings polarizer with oblique plane wave incidence  
**Name of the conference:** The Third Biennial IEEE Conference in Electromagnetic Field Computation 1988  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Bethesda, Washington D.C., United States of America  
**Date of event:** 1988  
**End date:** 1988  
V. Such; A.C. García; B. Gimeno; J.L. Cruz. "Proceedings of The Third Biennial IEEE Conference in Electromagnetic Field Computation 1988".
- 319** **Title of the work:** Modeling a microstrip Rotman Lens  
**Name of the conference:** The Third Biennial IEEE Conference in Electromagnetic Field Computation 1988  
**Type of event:** Conference **Geographical area:** International  
**Type of participation:** Participatory - oral communication  
**City of event:** Bethesda, Washington D.C., United States of America  
**Date of event:** 1988  
**End date:** 1988  
V. Such; J.L. Cruz; B. Gimeno; A.C. García. "Proceedings of The Third Biennial IEEE Conference in Electromagnetic Field Computation 1988".



- 320** **Title of the work:** Reflexión total de un haz electromagnético: Estudio del haz transmitido al medio menos denso  
**Name of the conference:** III Simposium Nacional de la Unión Científica Internacional de Radio URSI 1986  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Gerona, Spain  
**Date of event:** 1986  
**End date:** 1986  
J. Navasquillo; V. Such; M.I. Martínez; B. Gimeno. "Actas URSI 1986".

### Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** Fenómenos no Lineales de Ruptura en Componentes de Microondas para Aplicaciones en Comunicaciones Espaciales  
**Name of the event:** Ciclo de Videoconferencias 'Electromagnetismo para aplicaciones en RF, microondas y terahercios' del Departamento de Ingeniería de Comunicaciones (DICOM) de la Universidad de Cantabria.  
**Reasons for participation:** Speaker  
**City of event:** Santander (Cantabria), Spain  
**Date of event:** 26/10/2018  
**End date:** 26/10/2018
- 2** **Title of the work:** Estudio del efecto multipactor en sistemas de microondas empleados en comunicaciones espaciales por satélite  
**Name of the event:** Primera Jornada de Doctorado de la Universidad Miguel Hernández de Elche. Programa de Doctorado: Tecnologías Industriales y de Telecomunicación  
**Type of event:** Workshop  
**Reasons for participation:** Speaker  
**City of event:** Elche (Alicante), Spain  
**Date of event:** 23/02/2018  
**End date:** 23/02/2018
- 3** **Title of the work:** El caso de AURORASAT.  
**Name of the event:** Jornadas organizadas por la Universitat de València: Investigadores y Emprendedores, las Spin-off en la Universitat de València.  
**Type of event:** Workshop  
**Reasons for participation:** Speaker  
**City of event:** Burjasot (Valencia), Spain  
**Date of event:** 02/12/2014  
**End date:** 02/12/2014
- 4** **Title of the work:** El Consorcio Espacial Valenciano: Un centro de excelencia para la investigación espacial  
**Name of the event:** Conferencia impartida en el Instituto Español de Educación Secundaria 'Severo Ochoa' de Tánger  
**Reasons for participation:** Speaker  
**City of event:** Tánger, Morocco  
**Date of event:** 28/04/2010  
**End date:** 28/04/2010
- 5** **Title of the work:** Presentación de la empresa spin-off AURORA Software and Testing, S.L.  
**Name of the event:** Parque Científico de la Universidad de Valencia: Un reto científico, tecnológico y empresarial. Ciclo de Conferencias organizado por la Facultad de Física de la Universidad de Valencia.



**Reasons for participation:** Speaker  
**City of event:** Burjasot (Valencia), Spain  
**Date of event:** 30/10/2008  
**End date:** 30/10/2008

- 6** **Title of the work:** Presentación de la empresa spin-off AURORA Software and Testing, S.L.  
**Name of the event:** Jornada sobre experiencias en la creación de empresas spin-off. Organizado por la Red de Universidades Valencianas para el fomento de la Investigación, el Desarrollo y la Innovación (RUVID)  
**Type of event:** Workshop  
**Reasons for participation:** Speaker  
**City of event:** Valencia, Spain  
**Date of event:** 09/11/2007  
**End date:** 09/11/2007

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Comité Científico-Técnico y Comité Organizador del Congreso MULCOPI2017 (Congreso organizado por la Agencia Espacial Europea, el Consorcio Espacial Valenciano, la Universidad de Valencia, y la Universidad Politécnica de Valencia, en ESA/ESTEC Noordwijk, Países Bajos, 5-7 de Abril de 2017)  
**Affiliation entity:** 0197 - ESA.- Agencia Espacial Europea  
**Start-End date:** 2017 - 2017
- 2** **Committee title:** Comité Científico-Técnico y Comité Organizador del Congreso MULCOPI2014 (Congreso organizado por la Agencia Espacial Europea, el Consorcio Espacial Valenciano, la Universidad de Valencia, y la Universidad Politécnica de Valencia, en Valencia, 17-19 de Septiembre de 2014)  
**Affiliation entity:** 0197 - ESA.- Agencia Espacial Europea  
**Start-End date:** 2014 - 2014
- 3** **Committee title:** General Chairman, Comité Científico-Técnico, y Comité Organizador del IX IBERIAN MEETING ON COMPUTATIONAL ELECTROMAGNETICS (IX EIEC). Congreso organizado por el Consorcio Espacial Valenciano, la Universidad de Valencia, y la Universidad Politécnica de Valencia, en Denia (Alicante). 14-17/05/2013.  
**Affiliation entity:** 11016 - VAL SPACE CONSORTIUM  
**Start-End date:** 2013 - 2013
- 4** **Committee title:** Comité Científico-Técnico y Comité Organizador del Congreso MULCOPI2011 (Congreso organizado por la Agencia Espacial Europea, el Consorcio Espacial Valenciano, la Universidad de Valencia, la Universidad Politécnica de Valencia, y la empresa spin-off AURORASAT, S.L. en Valencia, 20-23 de Septiembre de 2011)  
**Affiliation entity:** 0197 - ESA.- Agencia Espacial Europea  
**Start-End date:** 2011 - 2011
- 5** **Committee title:** Comité Científico-Técnico y Comité Organizador del Congreso MULCOPI2008 (Congreso organizado por la Agencia Espacial Europea, la Universidad de Valencia, la Universidad Politécnica de Valencia y la empresa spin-off AURORASAT, S.L. en Valencia, 24-26 de Septiembre de 2008)  
**Affiliation entity:** 0197 - ESA.- Agencia Espacial Europea





**Start-End date:** 2008 - 2008

## Organization of R&D activities

- 1** **Title of the activity:** Editorial Board of Physical Review A (atomic, molecular, optical physics and quantum information) (Entidad: American Physical Society)  
**Type of activity:** Revisor de artículos  
**Start date:** 2020
- 2** **Title of the activity:** Editorial Board of Nuclear Instruments and Methods in Physics Research, A (Entidad: Elsevier V. B.)  
**Type of activity:** Revisor de artículos  
**Start date:** 2020
- 3** **Title of the activity:** Editorial Board of IEEE Sensors Journal (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2019
- 4** **Title of the activity:** Editorial Board of Review of Scientific Instruments (Entidad: AIP Publishing).  
**Type of activity:** Revisor de artículos  
**Start date:** 2019
- 5** **Title of the activity:** Tesis Doctoral leída por Zahra Hazami en la Universidad Politécnica de Cataluña el 29 de Enero de 2019, titulada: Development of a solid state amplifier for the third harmonic cavity for ALBA synchrotron light source.  
**Type of activity:** Presidente de Tribunal de Tesis Doctoral  
**Start date:** 2019
- 6** **Title of the activity:** Asesor en el Comité Nobel de Física para el Premio Nobel de Física del año 2020.  
**Type of activity:** Participar en el Comité Nobel de Física proponiendo candidatos para el Premio Nobel de Física del año 2020.  
**Start date:** 2019
- 7** **Title of the activity:** ECLLOUD'18 (CERN)  
**Type of activity:** Miembro del International Advisory Committee del ECLLOUD'18 (CERN)  
**Start date:** 2018
- 8** **Title of the activity:** Editorial Board of SoftwareX (Entidad: Elsevier)  
**Type of activity:** Revisor de artículos  
**Start date:** 2018
- 9** **Title of the activity:** Editorial Board of Journal of Electromagnetic Analysis and Applications - JEMAA (Entidad: Scientific Research Publishing)  
**Type of activity:** Revisor de artículos  
**Start date:** 2018
- 10** **Title of the activity:** Editorial Board of IEEE Antennas and Wireless Propagation Letters (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2017



- 11** **Title of the activity:** Editorial Board of Journal of Electromagnetics Analysis and Applications (Entidad: Scientific Research Publishing)  
**Type of activity:** Revisor de artículos  
**Start date:** 2017
- 12** **Title of the activity:** Editorial Board of IEEE Transactions on Instrumentation & Measurement (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2017
- 13** **Title of the activity:** Tesis Doctoral leída por D. Tomás Bernabeu Jiménez en la Universidad Politécnica de Valencia el 19 de Julio de 2017, titulada: Contribution to the physical interpretation of characteristic mode resonances. Application to dielectric resonator antennas.  
**Type of activity:** Presidente de Tribunal de Tesis Doctoral  
**Start date:** 2017
- 14** **Title of the activity:** Editorial Board of Mathematical Problems in Engineering (Entidad: Hindawi)  
**Type of activity:** Revisor de artículos  
**Start date:** 2017
- 15** **Title of the activity:** Editorial Board of Measurement Science and Technology (Entidad: IOPScience)  
**Type of activity:** Revisor de artículos  
**Start date:** 2017
- 16** **Title of the activity:** Editorial Board of Journal of Applied Physics (Entidad: American Institute of Physics)  
**Type of activity:** Revisor de artículos  
**Start date:** 2017
- 17** **Title of the activity:** Tesis Doctoral leída por D. Antonio Villaba Madrid en la Universidad Politécnica de Cartagena (Murcia) el 25 de Febrero de 2016, titulada: Estudio de la compensación magnética de plataformas navales. Compensación de la anomalía producida en el campo magnético terrestre mediante algoritmos genéticos. Análisis y compensación de anomalías magnéticas locales.  
**Type of activity:** Presidente de Tribunal de Tesis Doctoral  
**Start date:** 2016
- 18** **Title of the activity:** Tesis Doctoral leída por D. Pedro Vera Castejón en la Universidad Politécnica de Cartagena (Murcia) el 26 de Febrero de 2016, titulada: Análisis de circuitos en guía y de antenas en cavidad con independencia del encapsulado  
**Type of activity:** Presidente de Tribunal de Tesis Doctoral  
**Start date:** 2016
- 19** **Title of the activity:** Editorial Board of Journal of Electromagnetic Waves and Applications (Entidad: Scientific Research)  
**Type of activity:** Revisor de artículos  
**Start date:** 2015
- 20** **Title of the activity:** Editorial Board of International Journal of Microwave and Wireless Technologies (Entidad: Cambridge Journals).  
**Type of activity:** Revisor de artículos  
**Start date:** 2015



- 21 Title of the activity:** Editorial Board of International Journal of Electronics and Communications (Entidad: Elsevier).  
**Type of activity:** Revisor de artículos  
**Start date:** 2015
- 22 Title of the activity:** RADES (Relic Axion Detector Exploratory Setup)  
**Type of activity:** Miembro de la colaboración RADES para la detección de axiones de materia oscura en el experimento CAST (CERN Axion Solar Telescope) del CERN.  
**Start date:** 2015
- 23 Title of the activity:** Participación como 'miembro' en el Grupo de Investigación de la Universidad de Valencia: 'Fotónica y Semiconductores (FOSE)'. Este grupo está dirigido por el Prof. Alfredo Segura García del Río. Ref.: INV-GIUV-172940  
**Type of activity:** Miembro  
**Start date:** 2014
- 24 Title of the activity:** Editorial Board of IEEE Electron Device Letters (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2014
- 25 Title of the activity:** Tesis Doctoral leída por D. Adrián Fernández Gavela en la Universidad de Oviedo el 23 de Mayo de 2014, titulada: Desarrollo y optimización de técnicas de micrograbado para su aplicación en óptica integrada y en microfluídica bioanalítica  
**Type of activity:** Presidente de Tribunal de Tesis Doctoral  
**Start date:** 2014
- 26 Title of the activity:** 'Multipaction Effect in High-Power Space Hardware', seminario de 90 minutos impartido el 09/05/2014.  
**Type of activity:** Curso de la European Microwave Association (EuMA) titulado: 'Microwave Filters and Multiplexing Networks for Space Communication Systems', impartido en la Universidad Politécnica de Valencia, Valencia (Spain), 5-9 May, 2014.  
**Start date:** 2014
- 27 Title of the activity:** Editorial Board of Physical Review E (statistical, non-linear, and soft matter physics) (Entidad: American Physical Society)  
**Type of activity:** Revisor de artículos  
**Start date:** 2013
- 28 Title of the activity:** Tesis Doctoral leída por D. Iván Arregui Padilla en la Universidad Pública de Navarra el 22 de Febrero de 2013, titulada: New methods for the design of rectangular waveguide filters with smooth profile  
**Type of activity:** Secretario de Tribunal de Tesis Doctoral  
**Start date:** 2013
- 29 Title of the activity:** Tesis Doctoral leída por Da. María Cabanes Sempere en la Universidad Politécnica de Valencia el 19 de Julio de 2013, titulada: Innovative Production of Nuclear Fuel by Microwave Internal Gelation  
**Type of activity:** Secretario de Tribunal de Tesis Doctoral  
**Start date:** 2013



- 30** **Title of the activity:** Editorial Board of Applied Physics Letters  
**Type of activity:** Revisor de artículos  
**Start date:** 2013
- 31** **Title of the activity:** Tesis Doctoral leída por D. Pablo Soto Pacheco en la Universidad Politécnica de Valencia el 18 de Mayo de 2012, titulada: Análisis y diseño optimizado de dispositivos pasivos de microondas de banda amplia con guías de sección transversal arbitraria.  
**Type of activity:** Secretario de Tribunal de Tesis Doctoral  
**Start date:** 2012
- 32** **Title of the activity:** ECLLOUD'12 (CERN)  
**Type of activity:** Miembro del International Advisory Committee del ECLLOUD'12 (CERN)  
**Start date:** 2012
- 33** **Title of the activity:** Tesis Doctoral leída por Da. Mercedes Miñano Moya en la Universidad de Valencia el 18 de Julio de 2012, titulada: Irradiated Silicon Detectors for HL-LHC: Characterization and Simulations  
**Type of activity:** Secretario de Tribunal de Tesis Doctoral  
**Start date:** 2012
- 34** **Title of the activity:** Editorial Board of International Journal of Microwave Science and Technology (Entidad: Hindawi Publishing Corporation)  
**Type of activity:** Revisor de artículos  
**Start date:** 2012
- 35** **Title of the activity:** Editorial Board of Physics of Plasmas (Entidad: American Institute of Physics)  
**Type of activity:** Revisor de artículos  
**Start date:** 2012
- 36** **Title of the activity:** Jornadas sobre Tecnologías y Aplicaciones de las Comunicaciones Espaciales. Organizado por el Instituto Superior de Investigación Cooperativa ISIC. Universidad Politécnica de Valencia, 27-29/11/2012  
**Type of activity:** Ponente de una conferencia sobre las actividades científicas y tecnológicas del Consorcio Espacial Valenciano, y su colaboración con la Agencia Espacial Europea.  
**Start date:** 2012
- 37** **Title of the activity:** Editorial Board of Journal of Optics (Entidad: Institute of Physics Publishing and IOP Publishing).  
**Type of activity:** Revisor de artículos  
**Start date:** 2011
- 38** **Title of the activity:** Tesis Doctoral leída por Ana María López Frutos en la Universidad de Sevilla el 11 de Febrero de 2011, titulada: Cálculo eficiente de funciones de Green periódicas y no periódicas en medios homogéneos y en medios multicapa.  
**Type of activity:** Vocal de Tribunal de Tesis Doctoral  
**Start date:** 2011
- 39** **Title of the activity:** Editorial Board of IEEE Transactions on Terahertz Science and Technology (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2011



- 40** **Title of the activity:** Tesis Doctoral leída por Felipe Beltrán Mejía en la Universidad de Valencia el 7 de Octubre de 2011, titulada: Modelización de pérdidas por radiación en dispositivos de fibra microestructurada. Aplicaciones.  
**Type of activity:** Presidente de Tribunal de Tesis Doctoral  
**Start date:** 2011
- 41** **Title of the activity:** Editorial Board of Journal of Physics: Condensed Matter (Entidad: Institute of Physics)  
**Type of activity:** Revisor de artículos  
**Start date:** 2010
- 42** **Title of the activity:** Agencia Valenciana de Evaluación y Prospectiva (AVAP) de la Generalitat Valenciana.  
**Type of activity:** Evaluador de Proyectos  
**Start date:** 2010
- 43** **Title of the activity:** Programa Torres Quevedo.  
**Type of activity:** Evaluador de Proyectos para la Agencia Nacional de Evaluación y Prospectiva (ANEP)  
**Start date:** 2010
- 44** **Title of the activity:** Tesis Doctoral leída por Alethea Vanessa Zamora Gómez en la Universidad de Valencia el 4 de Octubre de 2010, titulada: Microrresonadores ópticos cilíndricos.  
**Type of activity:** Secretario de Tribunal de Tesis Doctoral  
**Start date:** 2010
- 45** **Title of the activity:** Tesis Doctoral leída por Pablo Eduardo Pérez Lara en la Universidad de Málaga el 22 de Octubre de 2010, titulada: Aplicaciones avanzadas de la técnica de seis puertos a frecuencias ópticas y de microondas.  
**Type of activity:** Presidente de Tribunal de Tesis Doctoral  
**Start date:** 2010
- 46** **Title of the activity:** Editorial Board of IEEE Transactions on Plasma Science (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2009
- 47** **Title of the activity:** Editorial Board of Physical Review Special Topics - Accelerators and Beams (Entidad: American Physical Society)  
**Type of activity:** Revisor de artículos  
**Start date:** 2009
- 48** **Title of the activity:** Editorial Board of Journal of Physics D: Applied Physics (Entidad: Institute of Physics)  
**Type of activity:** Revisor de artículos  
**Start date:** 2009
- 49** **Title of the activity:** Proyectos de Excelencia de la Consejería de Innovación, Ciencia y Empresa de la Junta de Andalucía.  
**Type of activity:** Evaluador de Proyectos para la Agencia Andaluza de Evaluación de la Calidad  
**Start date:** 2009
- 50** **Title of the activity:** Editorial Board of International Journal of Circuit Theory and Applications (Entidad: Wiley Inter Science)  
**Type of activity:** Revisor de artículos  
**Start date:** 2009



- 51 Title of the activity:** Tesis Doctoral leída por D. Francisco Javier Pérez Soler en la Universidad Politécnica de Cartagena el 25 de Junio de 2009, titulada: Investigación en técnicas numéricas aplicadas al estudio de nuevos dispositivos para sistemas de telecomunicación.  
**Type of activity:** Miembro de Tribunal de Tesis Doctoral  
**Start date:** 2009
- 52 Title of the activity:** Editorial Board of Physica Scripta (Entidad: Institute of Physics Publishing on behalf of the Academies for Sciences and the Physical Societies of the five Nordic countries).  
**Type of activity:** Revisor de artículos  
**Start date:** 2009
- 53 Title of the activity:** Editorial Board of IEEE Transactions on Electron Devices (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2008
- 54 Title of the activity:** Editorial Board of Progress in Electromagnetics Research (PIER) (Entidad: EMW Publishing )  
**Type of activity:** Revisor de artículos  
**Start date:** 2008
- 55 Title of the activity:** Tesis Doctoral leída por Da. Teresa Pinheiro Ortega en la Universidad de Valencia el 26 de Septiembre de 2008, titulada: Análisis y diseño avanzados en fibras de cristal fotónico.  
**Type of activity:** Miembro de Tribunal de Tesis Doctoral  
**Start date:** 2008
- 56 Title of the activity:** Editorial Board of Optics Communications (Entidad: Elsevier)  
**Type of activity:** Revisor de artículos  
**Start date:** 2008
- 57 Title of the activity:** Tesis Doctoral leída por D. Fernando D. Quesada Pereira en la Universidad Politécnica de Cartagena el 6 de Julio de 2007, titulada: Avances en técnicas numéricas de resolución de ecuaciones integrales en electromagnetismo.  
**Type of activity:** Miembro de Tribunal de Tesis Doctoral  
**Start date:** 2007
- 58 Title of the activity:** Editorial Board of IET Proceedings - Microwave, Antennas and Propagation (Entidad: Institute of Engineering and Technology)  
**Type of activity:** Revisor de artículos  
**Start date:** 2007
- 59 Title of the activity:** Consellería de Empresa, Universidad y Ciencia de la Generalitat Valenciana. Número de proyectos evaluados: 7  
**Type of activity:** Evaluador de Proyectos  
**Start date:** 2006
- 60 Title of the activity:** Editorial Board of Journal of Microwaves, Optoelectronics and Electromagnetic Applications (Entidad: Brazilian Microwave and Optoelectronics Society)  
**Type of activity:** Revisor de artículos  
**Start date:** 2006



- 61 Title of the activity:** Comité editorial de la URSI (Entidad: Unión Radio Científica Internacional, Sección Española)  
**Type of activity:** Revisor de artículos  
**Start date:** 2005
- 62 Title of the activity:** Comisión Interministerial de Ciencia y Tecnología (CICYT).  
**Type of activity:** Evaluador de Proyectos para la Agencia Nacional de Evaluación y Prospectiva (ANEP)  
**Start date:** 2005
- 63 Title of the activity:** Tesis Doctoral leída por D. José Luis Gómez Tornero en la Universidad Politécnica de Cartagena el 22 de Abril de 2005, titulada: Análisis de modos de fuga en estructuras planares apantalladas lateralmente y diseño de nuevas antenas 'leaky-wave' en tecnología híbrida impresa-apantallada.  
**Type of activity:** Vocal de Tribunal de Tesis Doctoral  
**Start date:** 2005
- 64 Title of the activity:** Tesis Doctoral leída por D. Stephan Marini en la Universidad Politécnica de Valencia el 28 de Junio de 2005, titulada: Análisis modal eficiente de dispositivos pasivos de microondas implementados con guías de sección transversal arbitraria.  
**Type of activity:** Vocal de Tribunal de Tesis Doctoral  
**Start date:** 2005
- 65 Title of the activity:** Tesis Doctoral leída por D. Carlos P. Vicente Quiles en la Technische Universität Darmstadt (Darmstadt, Alemania) el 29 de Junio de 2005, titulada: Passive intermodulation and corona discharge for microwave structures in communications satellites.  
**Type of activity:** Miembro de Tribunal de Tesis Doctoral  
**Start date:** 2005
- 66 Title of the activity:** Editorial Board of IEEE Microwave and Wireless Components Letters (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2004
- 67 Title of the activity:** Tesis Doctoral leída por D. Alejandro García Lampérez en la Universidad Politécnica de Madrid el 16 de Noviembre de 2004, titulada: Métodos avanzados de síntesis y optimización de filtros y multiplexores de microondas.  
**Type of activity:** Vocal de Tribunal de Tesis Doctoral  
**Start date:** 2004
- 68 Title of the activity:** Editorial Board of IEE Proceedings on Microwave, Antennas and Propagation (Entidad: Institute of Electrical Engineering)  
**Type of activity:** Revisor de artículos  
**Start date:** 2003
- 69 Title of the activity:** Editorial Board of Wave Motion (Entidad: Elsevier Science B.V.-Amsterdam)  
**Type of activity:** Revisor de artículos  
**Start date:** 2003
- 70 Title of the activity:** Editorial Board of Radio Science (Entidad: American Geophysical Union)  
**Type of activity:** Revisor de artículos  
**Start date:** 2003



- 71 Title of the activity:** Editorial Board of IET Electronic Letters (Entidad: Institute of Engineering and Technology)  
**Type of activity:** Revisor de artículos  
**Start date:** 2003
- 72 Title of the activity:** Editorial Board of European Microwave Conference (Entidad: European Microwave Association)  
**Type of activity:** Revisor de artículos  
**Start date:** 2003
- 73 Title of the activity:** Tesis Doctoral leída por D. Juan Antonio Monsoriu Serra en la Universidad de Valencia el 1 de Diciembre de 2003, titulada: Modelización de dispositivos optoelectrónicos microestructurados. Métodos modales.  
**Type of activity:** Vocal de Tribunal de Tesis Doctoral  
**Start date:** 2003
- 74 Title of the activity:** Tesis Doctoral leída por D. Santiago Cogollos Borrás en la Universidad Politécnica de Valencia el 17 de Julio de 2002, titulada: Caracterización modal de guías arbitrarias y aplicación a dispositivos de microondas.  
**Type of activity:** Vocal de Tribunal de Tesis Doctoral  
**Start date:** 2002
- 75 Title of the activity:** Tesis Doctoral leída por D. Héctor Esteban González en la Universidad Politécnica de Valencia el 4 de Octubre de 2002, titulada: Análisis de sistemas arbitrarios de dispersión electromagnética mediante métodos híbridos.  
**Type of activity:** Secretario de Tribunal de Tesis Doctoral  
**Start date:** 2002
- 76 Title of the activity:** Editorial Board of IEEE Transactions on Microwave Theory and Techniques (Entidad: Institute of Electrical and Electronic Engineers)  
**Type of activity:** Revisor de artículos  
**Start date:** 2001

## R&D management

- 1 Name of the activity:** Director del Laboratorio de RF de Alta Potencia del Instituto de Física Médica (IFIMED) del IFIC.  
**Start date:** 2019
- 2 Name of the activity:** Director del Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano)  
**Start date:** 2009





## Other achievements

### Stays in public or private R&D centres

- 1** **Entity:** Università degli Studi di Pavia  
**City of entity:** Pavia, Italy  
**Start date:** 2003 **Duration:** 3 months  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Aplicación del Método BI-RME (Boundary Integral - Resonant Mode Expansion) al Estudio de Objetos Dieléctricos en Cavidades Electromagnéticas
- 2** **Entity:** European Space Agency / European Space Research and Technology Center  
**City of entity:** Noordwijk, Holland  
**Start date:** 1994 **Duration:** 2 years  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Análisis y Diseño de Componentes Pasivos de Microondas y Ondas Milimétricas para Telecomunicaciones Espaciales

### Obtained grants and scholarships

- 1** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2019 **Duration:** 1 year  
**End date:** 31/12/2019
- 2** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2018 **Duration:** 1 year  
**End date:** 31/12/2018
- 3** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2017 **Duration:** 1 year  
**End date:** 31/12/2017
- 4** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2016 **Duration:** 1 year  
**End date:** 31/12/2016
- 5** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2015 **Duration:** 1 year  
**End date:** 31/12/2015
- 6** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2014 **Duration:** 1 year  
**End date:** 31/12/2014
- 7** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2013 **Duration:** 1 year  
**End date:** 31/12/2013



- 8** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2012 **Duration:** 1 year  
**End date:** 31/12/2012
- 9** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2011 **Duration:** 1 year  
**End date:** 31/12/2011
- 10** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2010 **Duration:** 1 year  
**End date:** 31/12/2010
- 11** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2009 **Duration:** 1 year  
**End date:** 31/12/2009
- 12** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2008 **Duration:** 1 year  
**End date:** 31/12/2008
- 13** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2007 **Duration:** 1 year  
**End date:** 31/12/2007
- 14** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2006 **Duration:** 1 year  
**End date:** 31/12/2006
- 15** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2005 **Duration:** 1 year  
**End date:** 31/12/2005
- 16** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2004 **Duration:** 1 year  
**End date:** 31/12/2004
- 17** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 01/01/2003 **Duration:** 1 year  
**End date:** 31/12/2003
- 18** **Name of the grant:** Beca Postdoctoral del Programa de Estancias de Profesores de Universidad e Investigadores del CSIC y de OPIS en Centros de Enseñanza Superior y de Investigación Extranjeros y Españoles. Lugar de trabajo: Universita degli Studi di Pavia, Pavia (Italia).  
**Conferral date:** 01/05/2003 **Duration:** 3 months  
**End date:** 31/07/2003
- 19** **Name of the grant:** Retribución Adicional del Personal Docente e Investigador de la Generalitat Valenciana  
**Conferral date:** 21/01/1997 **Duration:** 5 years - 11 months - 11 days  
**End date:** 31/12/2002



- 20** **Name of the grant:** Beca Postdoctoral de F.P.I. , Subprograma de Perfeccionamiento de Doctores y Tecnólogos en el Extranjero, concedida por el Ministerio de Educación y Ciencia. Lugar de trabajo: European Space Agency ESA/ESTEC, Noordwijk (The Netherlands)  
**Conferral date:** 01/01/1994 **Duration:** 2 years  
**End date:** 31/12/1995
- 21** **Name of the grant:** Beca de Formación de Personal Investigador (F.P.I.) del Ministerio de Educación y Ciencia (Plan Nacional, Tecnología de la Información y las Comunicaciones).  
**Conferral date:** 01/01/1989 **Duration:** 1 year - 9 months  
**End date:** 30/09/1990
- 22** **Name of the grant:** Becario de Investigación de la Universidad de Valencia, adscrito al Contrato de Investigación entre la empresa Radiación y Microondas S.A., y el Departamento de Física Aplicada de la Universidad de Valencia, para el contrato 'Estudio de algunos elementos de una antena trasmisora multihaz en las bandas C-X-Ku'. Beca homologada como beca F.P.I. (24-04-1988).  
**Conferral date:** 01/09/1987 **Duration:** 1 year - 4 months  
**End date:** 31/12/1988
- 23** **Name of the grant:** Beca de Colaboración en el Departamento de Física Aplicada de la Universidad Literaria de Valencia. Organismo: Ministerio de Educación y Ciencia. Cuantía: 150.000 pesetas  
**Conferral date:** 01/10/1986 **Duration:** 10 months  
**End date:** 31/07/1987

### Scientific societies and professional associations

- 1** **Name of the society:** Miembro de la Real Sociedad Española de Física (Número de socio: 4648).  
**Start date:** 01/01/2015
- 2** **Name of the society:** Miembro del Institute of Electrical and Electronics Engineers (IEEE) en las siguientes sociedades: - IEEE Antennas and Propagation Society - IEEE Microwave Theory and Techniques Society - IEEE Nuclear and Plasma Sciences Society  
**Start date:** 01/01/2002

### Prizes, mentions and distinctions

**Description:** 'Mida usted mismo la velocidad de la luz en el vacío y ...'. Trabajo seleccionado dentro de la Fase Nacional del programa 'Física en Acción', celebrado el día 30 de septiembre del 2000 en San Sebastián (Guipuzcoa), para participar en la 'Semana Europea de la Ciencia y Tecnología 2000', celebrada en el CERN, Ginebra (Suiza)

**Awarding entity:** Real Sociedad Española de Física  
**Conferral date:** 30/09/2000



## Summary of other achievements

- 1** **Description of the achievement:** Reducción de docencia en el curso académico 2020-2021 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado durante todo el curso.  
**Conferral date:** 01/09/2020
- 2** **Description of the achievement:** Reducción de docencia en el curso académico 2019-2020 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado durante todo el curso.  
**Conferral date:** 01/09/2019
- 3** **Description of the achievement:** Reducción de docencia en el curso académico 2018-2019 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado durante todo el curso.  
**Conferral date:** 01/09/2018
- 4** **Description of the achievement:** Inscripción en el Instituto de Física Corpuscular (IFIC), centro mixto CSIC-Universitat de València el 17/07/2018.  
**Conferral date:** 17/07/2018
- 5** **Description of the achievement:** Asistencia al curso: 'Prevención y extinción de incendios para equipos de primera intervención (EPI)', impartido por la Escuela Mediterránea de Emergencias (Paterna, Valencia).  
**Conferral date:** 12/12/2017
- 6** **Description of the achievement:** Reducción de docencia en el curso académico 2017-2018 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado durante todo el curso.  
**Conferral date:** 01/09/2017
- 7** **Description of the achievement:** Reducción de docencia en el curso académico 2016-2017 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado durante todo el curso.  
**Conferral date:** 01/09/2016
- 8** **Description of the achievement:** Other courses: Curso de Física Aplicada en la actividad de Ciencia y Tecnología de la Nau Gran de la Universitat de València. Duración: 2 horas.  
**Conferral date:** 08/03/2016
- 9** **Description of the achievement:** Reducción de docencia en el curso académico 2015-2016 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado durante todo el curso.  
**Conferral date:** 01/09/2015



- 10 Description of the achievement:** Other courses: Curso de Física Aplicada en la actividad de Ciencia y Tecnología de la Nau Gran de la Universitat de València. Duración: 2 horas.  
**Conferral date:** 12/03/2015
- 11 Description of the achievement:** Research lines: Estudio electromagnético y diseño de cavidades de microondas para aceleradores de partículas (XFEL, X-Ray Free Electron Laser). Diseño y análisis térmico de estructuras con señales pulsadas.; 01/01/2015 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/01/2015
- 12 Description of the achievement:** Reducción de docencia en el curso académico 2014-2015 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado durante todo el curso.  
**Conferral date:** 01/09/2014
- 13 Description of the achievement:** Asistencia al curso: 'Prevención y extinción de incendios para equipos de primera intervención (EPI)', impartido por la Escuela Mediterránea de Emergencias (Paterna, Valencia).  
**Conferral date:** 02/04/2014
- 14 Description of the achievement:** Dirección de una Estancia de Investigación del IFIC en el ESA-VSC del estudiante Miguel Ángel Cuenca Sánchez en el Máster de Física Avanzada de la Universitat de València: 'Control of surface roughness by means of electron beam physical vapour deposition of silver thin films and their secondary emission yield'  
**Conferral date:** 01/03/2014
- 15 Description of the achievement:** Research sections (six-year): Tramo de Investigación (Quinto Sexenio) concedido por el Ministerio de Universidades.  
**Conferral date:** 01/01/2014
- 16 Description of the achievement:** Teaching sections (five-year): Tramo de Docencia (Sexto Quinquenio) concedido por la Universidad de Valencia  
**Conferral date:** 01/01/2014
- 17 Description of the achievement:** Reducción de docencia en el curso académico 2013-2014 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado durante todo el curso.  
**Conferral date:** 09/09/2013
- 18 Description of the achievement:** Cambio de área de conocimiento. Nueva área de conocimiento: ELECTROMAGNETISMO.  
**Conferral date:** 28/03/2013
- 19 Description of the achievement:** Reducción de docencia en el curso académico 2012-2013 por participar en el Laboratorio Europeo de Materiales de Alta Potencia para Espacio (Agencia Espacial Europea - Consorcio Espacial Valenciano). Reducción de 20 horas de clases (2 créditos) aplicado al segundo cuatrimestre.  
**Conferral date:** 15/01/2013
- 20 Description of the achievement:** Catedrático de Universidad. Área de Conocimiento: Física Aplicada.  
**Conferral date:** 13/04/2010



- 21 Description of the achievement:** Teaching sections (five-year): Tramo de Docencia (Quinto Quinquenio) concedido por la Universidad de Valencia  
**Conferral date:** 01/01/2009
- 22 Description of the achievement:** Attending Scientific Meetings (without Presentation or publication): Asistencia al workshop: 'Integral Techniques for Electromagnetics', impartido en Chiclana de la Frontera (Cádiz)  
**Accrediting entity:** Universidad de Sevilla, École Polytechnique Fédérale de Lausanne (Lausanne, Suiza)  
**Conferral date:** 21/10/2008
- 23 Description of the achievement:** Research lines: Estudio de la interacción entre la nube electrónica y el campo electromagnético RF (efecto multipactor) en aceleradores de partículas elementales.; 01/08/2008 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/08/2008
- 24 Description of the achievement:** Research sections (six-year): Tramo de Investigación (Cuarto Sexenio) concedido por el Ministerio de Educación, Cultura y Deporte  
**Conferral date:** 01/01/2008
- 25 Description of the achievement:** Socio Promotor-Fundador de la sociedad limitada 'Aurora Software and Testing, S.L.', empresa spin-off de la Universidad de Valencia y de la Universidad Politécnica de Valencia. Cargo: Asesor Científico (Scientific Advisor). web: [www.aurorasat.es](http://www.aurorasat.es)  
**Conferral date:** 03/02/2006
- 26 Description of the achievement:** Research sections (six-year): Tramo de Transferencia de Conocimiento e Innovación (Primer Sexenio de Transferencia) concedido por el Ministerio de Ciencia, Innovación y Universidades  
**Conferral date:** 01/01/2006
- 27 Description of the achievement:** Attending Scientific Meetings (without Presentation or publication): Asistencia al seminario: 'Seminar on metamaterials and circuit design based on SRRs', impartido en la Universidad Autónoma de Barcelona  
**Accrediting entity:** Universidad Autónoma de Barcelona  
**Conferral date:** 22/04/2005
- 28 Description of the achievement:** Research lines: Estudio de fenómenos no lineales en circuitos de RF para aplicaciones espaciales de alta potencia: Efecto multipactor, efecto corona e intermodulación pasiva (PIM); 01/01/2004 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/01/2004
- 29 Description of the achievement:** Teaching sections (five-year): Tramo de Docencia (Cuarto Quinquenio) concedido por la Universidad de Valencia  
**Conferral date:** 01/01/2004
- 30 Description of the achievement:** Research lines: Estudio electromagnético de estructuras periódicas y cristales fotónicos (EBG) en guías y cavidades de microondas y ondas milimétricas; 01/01/2002 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/01/2002



- 31** **Description of the achievement:** Research lines: Estudio electromagnético de estructuras periódicas y cristales fotónicos (EBG) en guías y fibras ópticas. Aplicaciones en Optoelectrónica; 01/01/2002 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/01/2002
- 32** **Description of the achievement:** Research sections (six-year): Tramo de Investigación (Tercer Sexenio) concedido por el Ministerio de Ciencia e Innovación  
**Conferral date:** 01/01/2002
- 33** **Description of the achievement:** Research lines: Diseño automatizado y síntesis de circuitos pasivos de microondas y ondas milimétricas para aplicaciones espaciales; 01/01/2000 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/01/2000
- 34** **Description of the achievement:** Research lines: Estudio electromagnético de guías y cavidades de microondas y ondas milimétricas: Cálculo del espectro modal; 01/01/1999 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/01/1999
- 35** **Description of the achievement:** Teaching sections (five-year): Tramo de Docencia (Tercer Quinquenio) concedido por la Universidad de Valencia  
**Conferral date:** 01/01/1999
- 36** **Description of the achievement:** Research lines: Estudio electromagnético de guías y fibras ópticas: Cálculo del espectro modal; 01/09/1998 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/09/1998
- 37** **Description of the achievement:** Profesor Titular de Universidad. Área de Conocimiento: Física Aplicada.  
**Conferral date:** 21/01/1997
- 38** **Description of the achievement:** Research sections (six-year): Tramo de Investigación (Segundo Sexenio) concedido por el Ministerio de Educación, Cultura y Deporte  
**Conferral date:** 01/01/1996
- 39** **Description of the achievement:** Research lines: Diseño de circuitos y componentes pasivos de microondas y ondas milimétricas; 10/01/1994 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 10/01/1994
- 40** **Description of the achievement:** Teaching sections (five-year): Tramo de Docencia (Segundo Quinquenio) concedido por la Universidad de Valencia  
**Conferral date:** 01/01/1994
- 41** **Description of the achievement:** Research lines: Estudio de la difracción de haces finitos a través de Superficies Selectoras de Frecuencia: Efecto Goos-Hanchen.; 01/01/1993 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/01/1993



- 42 Description of the achievement:** Research sections (six-year): Tramo de Investigación (Primer Sexenio) concedido por el Ministerio de Educación, Cultura y Deporte  
**Conferral date:** 01/01/1990
- 43 Description of the achievement:** Teaching sections (five-year): Tramo de Docencia (Primer Quinquenio) concedido por la Universidad de Valencia  
**Conferral date:** 01/01/1989
- 44 Description of the achievement:** Research lines: Estudio electromagnético de componentes pasivos de microondas y ondas milimétricas; 01/09/1987 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/09/1987
- 45 Description of the achievement:** Research lines: Estudio de Superficies Selectoras de Frecuencia para aplicaciones espaciales y terrestres; 01/09/1987 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/09/1987
- 46 Description of the achievement:** Research lines: Métodos Numéricos en Electromagnetismo; 01/09/1987 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/09/1987
- 47 Description of the achievement:** Research lines: Cálculo Numérico; 01/09/1987 --  
**Accrediting entity:** Universitat de València  
**Conferral date:** 01/09/1987
- 48 Description of the achievement:** Heavy Equipment: Analizador Vectorial de Redes HP8510C del Laboratorio de Microondas del Departamento de Física Aplicada y Electromagnetismo de la Universidad de Valencia; \*\*Usuari ocasional ; 01/01/1990
- 49 Description of the achievement:** Heavy Equipment: Analizador Vectorial de Redes HP8510C del Laboratorio de Microondas de ESA/ESTEC (Noordwijk, The Netherlands); \*\*Usuari ocasional ; 01/02/1994
- 50 Description of the achievement:** Heavy Equipment: Cámara Anecoica para Medida de Antenas del Laboratorio de Microondas del Departamento de Física Aplicada y Electromagnetismo de la Universidad de Valencia; \*\*Usuari ocasional ; 01/01/2001
- 51 Description of the achievement:** Heavy Equipment: Sistema de medida de efecto multipactor. Laboratorio de RF de Alta Potencia para Espacio de la Agencia Espacial Europea - Consorcio Espacial Valenciano (VSC); \*\*Usuari ocasional ; 01/07/2009
- 52 Description of the achievement:** Participación en diferentes Comisiones del Departamento de Física Aplicada y Electromagnetismo, de la Facultad de Física, de la Facultad de Química, y de la Escuela Superior de Ingeniería de la Universitat de València.