



## **Alberto García García**

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## Alberto García García

Surname(s): **García García**  
 Name: **Alberto**  
 ORCID: **0000-0001-9561-4977**

### Current professional situation

**Employing entity:** Graphene Nanotech S.L.      **Type of entity:** Spin-off company

**Professional category:** Development Scientist

**Start date:** 23/03/2015

**Type of contract:** Permanent employment contract      **Dedication regime:** Full time

**Performed tasks:** - Growing epitaxial graphene on Silicon Carbide wafers. - Characterization via optical microscopy and atomic force microscopy. - Cleaning-room processes. - Searching scientific bibliography and advances in synthesis of epitaxial graphene. - Dissemination of scientific results in conferences.

**Identify key words:** Defects; Structure; Synthesis

### Previous positions and activities

	Employing entity	Professional category	Start date
1	Instituto de Fisica dos Materiais da Universidade do Porto	Post-Doctoral Researcher	01/02/2012
2	Centre d'Elaboration de Matériaux et d'Etudes Structurales	Research engineer	01/01/2011
3	Instituto de Ciencia de Materiales de Aragón	PhD Degree	01/10/2006

**1** **Employing entity:** Instituto de Fisica dos Materiais da Universidade do Porto      **Type of entity:** University Research Institute

**Department:** Instituto de Fisica dos Materiais da Universidade do Porto

**City employing entity:** Porto, Portugal

**Professional category:** Post-Doctoral Researcher      **Educational Management (Yes/No):** No

**Start-End date:** 01/02/2012 - 22/03/2015      **Duration:** 3 years - 2 months

**Type of contract:** Grant-assisted student (pre or post-doctoral, others)

**Performed tasks:** -Thin film deposition and both structural and magnetic characterization of magnetic thin films. -Development of novel low-cost routes to fabricate magnonic crystals for RF applications. -Writing scientific papers and research projects.

**Field of management activity:** Public Research Body

**2** **Employing entity:** Centre d'Elaboration de Matériaux et d'Etudes Structurales      **Type of entity:** R&D Centre

**Department:** Group NanoMaterials, CEMES-CNRS



**City employing entity:** Toulouse, France  
**Professional category:** Research engineer  
**Start-End date:** 01/01/2011 - 10/01/2012  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Performed tasks:** Postdoctoral research at CEMES. Tasks: Sputtering thin film depositin; magnetic characterization (SQUID, VSM, MOKE); structural characterization of thin films (X-ray diffraction, transmission electron microscope); preparation of lamellas for transmission electron microscopy (Grinder and tripod polishers).  
**Identify key words:** Nanotechnology; Physics - Structure of materials; Diffraction

**Educational Management (Yes/No):** No

**Duration:** 1 year - 9 days

- 3** **Employing entity:** Instituto de Ciencia de Materiales de Aragón  
**Department:** Departamento de Física de Materia Condensada, Universidad de Zaragoza  
**City employing entity:** Zaragoza, Aragon, Spain  
**Professional category:** PhD Degree  
**Start-End date:** 01/10/2006 - 10/12/2010  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Dedication regime:** Full time  
**Identify key words:** Nanotechnology; Diffraction; Magnetism; Magnetic materials

**Type of entity:** University Research Institute

**Educational Management (Yes/No):** No

**Duration:** 4 years - 2 months - 11 days



## Education

### University education

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

**1** University degree: Master

**Name of qualification:** Máster Universitario en Física y Tecnologías Físicas

**Degree awarding entity:** Universidad de Zaragoza **Type of entity:** University

**Date of qualification:** 11/09/2008

**2** University degree: Licenciatura

**Name of qualification:** Licenciado en Ciencias Sección Físicas Rama Física General

**Degree awarding entity:** Universidad de Salamanca **Type of entity:** University

**Date of qualification:** 02/03/2006

#### Doctorates

**Doctorate programme:** Doctor en Programa Oficial de Posgrado en Ciencia e Ingeniería de Materiales

**Degree awarding entity:** Universidad de Zaragoza **Type of entity:** University

**Date of degree:** 10/12/2010

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

**1** Type of training: Course

**Training title:** Certificate of training-Cleanroom Basic Course

**City awarding entity:** Porto, Portugal

**Awarding entity:** Materials Centre of the University of Porto **Type of entity:** Public Research Body

**Training manager:** Paulo Marques

**End date:** 13/01/2014

**Duration in hours:** 6 hours

**2** Type of training: Workshop

**Training title:** Workshop on Nanofabrication and Nanocharacterization

**City awarding entity:** Braga, Portugal

**Awarding entity:** International Iberian Nanotechnology Laboratory

**Aims of the entity:** Research

**Training manager:** Susana Freitas

**End date:** 08/07/2012

**3** Type of training: Course

**Training title:** Cours du soir de Français Langue Etrangère-Débutant

**City awarding entity:** Toulouse, France

**Awarding entity:** Alliance Française

**Type of entity:** Foundation



**Training manager:** Maggy Geniez  
**End date:** 30/06/2011

**4 Type of training:** Course

**Training title:** 1st Workshop on Advanced Transmission Electron Microscopy  
**City awarding entity:** Zaragoza, Aragon, Spain  
**Awarding entity:** The Advanced Microscopy Laboratory **Type of entity:** R&D Centre (LMA)  
**Training manager:** Florent Houdellier  
**End date:** 12/05/2010

**5 Type of training:** Conference

**Training title:** V Reunión del Grupo Especializado de Física del Estado Sólido (GEFES)  
**City awarding entity:** Santiago de Compostela, Galicia, Spain  
**Awarding entity:** REAL SOCIEDAD ESPAÑOLA DE FISICA  
**End date:** 08/02/2008

**6 Type of training:** Workshop

**Training title:** First Spanish Workshop on Nanolithography and their applications  
**City awarding entity:** Zaragoza, Aragon, Spain  
**Awarding entity:** Universidad de Zaragoza **Type of entity:** University  
**Training manager:** José María De Teresa Nogueras  
**End date:** 26/10/2007

**7 Type of training:** Course

**Training title:** New frontiers in Magnetism  
**City awarding entity:** Jaca, Aragon, Spain  
**Awarding entity:** Universidad de Zaragoza **Type of entity:** University  
**End date:** 07/07/2007 **Duration in hours:** 35 hours

**8 Type of training:** Course

**Training title:** Frontiers of Science  
**City awarding entity:** Salamanca, Castile and León, Spain  
**Awarding entity:** Fundación Duques de Soria **Type of entity:** Foundation  
**End date:** 23/02/2005 **Duration in hours:** 15 hours

**9 Type of training:** Course

**Training title:** Frontiers of Science  
**City awarding entity:** Valladolid, Castile and León, Spain  
**Awarding entity:** Fundación Duques de Soria **Type of entity:** Foundation  
**End date:** 22/02/2005 **Duration in hours:** 15 hours



## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French		A1	A1	A1	A1
Portuguese		C1	C1	C1	A1
Spanish		C1	C1	C1	C1
English		C1	C1	C1	C1

## Teaching experience

### General teaching experience

**Type of teaching:** Official teaching

**Name of the course:** Prácticas de Fundamentos de Física II

**Type of programme:** Architecture

**University degree:** Grado de Arquitectura

**Course given:** 1

**Start date:** 01/02/2010

**Type of hours/ ECTS credits:** Credits

**Hours/ECTS credits:** 30

**Entity:** Universidad de Zaragoza

**City of entity:** Zaragoza, Aragon, Spain

**Type of teaching:** Practical work (classroom-problems)

**Frequency of the activity:** 1

**End date:** 01/07/2010

**Type of entity:** University

### Student tutorials

**Name of the programme:** Educational aid

**Entity:** Faculdade de Ciências da Universidade do Porto **Type of entity:** University Department

**City of entity:** Porto, Portugal

**Number of tutored students:** 5

### Other activities/achievements not included above

- Description of the activity:** Assistant teacher: "Undergraduate Open Days at the Faculty of Sciences. University of Porto"  
**City of activity:** Porto, Portugal  
**Organising entity:** Faculdade de Ciências-Universidade do Porto **Type of entity:** University Department do Porto  
**End date:** 15/02/2013
- Description of the activity:** Assistant teacher (10 hours) in the "Science Week for High School"  
**City of activity:** Zaragoza, Aragon, Spain  
**Organising entity:** Facultad de Ciencias-Universidad de Zaragoza **Type of entity:** University Zaragoza  
**End date:** 21/11/2007



- 3 Description of the activity:** Assistant teacher (20 hours) in the “6th Research Week”.  
**City of activity:** Zaragoza, Aragon, Spain  
**Organising entity:** Facultad de Ciencias-Universidad de Zaragoza  
**Type of entity:** University  
**End date:** 22/06/2007

## Scientific and technological experience

### Research and development groups/teams

- 1 Name of the group:** Instituto de Física dos Materiais da Universidade do Porto  
**Aims of the group:** University Research Unit  
**Type of collaboration:** Co-authorship of international collaboration  
**Affiliation entity:** Faculdade de Ciências da Universidade do Porto  
**Type of entity:** University  
**Start date:** 01/02/2012  
**Duration:** 3 years
- 2 Name of the group:** Nanomatériaux magnétiques (MatMag)  
**Aims of the group:** Research  
**Name of principal investigator:** Etienne Snoeck  
**Type of collaboration:** Co-operative co-authorship with bodies from third nations  
**City of group:** Toulouse, France  
**Affiliation entity:** CEMES-CNRS  
**Type of entity:** Public Research Body  
**Start date:** 01/01/2011  
**Duration:** 1 year - 9 days
- 3 Name of the group:** Magnetism of Solids group (MAGNA)  
**Aims of the group:** Nanomedicine, nanosystems, physics of nanomaterials  
**Name of principal investigator:** Manuel Ricardo Ibarra García  
**Type of collaboration:** Co-authorship of publications  
**City of group:** Zaragoza, Aragon, Spain  
**Affiliation entity:** Institute of Nanoscience of Aragon  
**Identify key words:** Nanostructures; Nanobiotechnology; Nanoelectronics; Magnetic materials  
**Start date:** 01/10/2006  
**Duration:** 4 years - 9 months

### Scientific or technological activities

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

- 1 Name of the project:** Trans-Pyrenean Node for Scientific Instrumentation  
**Funding entity or bodies:** European Regional Development Fund  
**Type of entity:** ERDF is one of the five Structural and Investment Funds (ESIF) of the EU  
**Start-End date:** 01/02/2018 - 31/01/2021  
**Total amount:** 1.200.000 €



- 2** **Name of the project:** Arrays of magnetic tunnel junctions from nanogranular layered structures in hybrid insulating host  
**Identify key words:** Nanostructures; Nanomaterials  
**Entity where project took place:** IFIMUP-IN **Type of entity:** University Research Institute  
**City of entity:** Porto, Portugal  
**Name principal investigator (PI, Co-PI....):** Yuri Pogorelov  
**Funding entity or bodies:**  
Fundação para a Ciência e a Tecnologia **Type of entity:** State agency  
**City funding entity:** Lisbon, Portugal  
**Code according to the funding entity:** PTDC/FIS/120055/2010  
**Start-End date:** 01/03/2012 - 28/02/2015 **Duration:** 3 years  
**Total amount:** 110.000 €  
**Dedication regime:** Part time  
**Applicant's contribution:** Preparation and electrical characterization of thin films.
- 3** **Name of the project:** I+D DE SISTEMAS GRANULARES SOBRE SUSTRATOS INDUSTRIALIZABLES ORIENTADOS A LA OBTENCIÓN DE NUEVOS SENSORES SIN CONTACTO ROBUSTOS Y DE BAJO COSTE  
**Degree of contribution:** Technician  
**Entity where project took place:** Facultad De **Type of entity:** University  
Ciencias - Universidad de Zaragoza  
**City of entity:** Zaragoza, Aragon, Spain  
**Name principal investigator (PI, Co-PI....):** Manuel Ricardo Ibarra García  
**Nº of researchers:** 5  
**Funding entity or bodies:**  
Ministerio de Ciencia e Innovación. Investigación **Type of entity:** REF: VATC 20110642  
**City funding entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Others  
**Code according to the funding entity:** MAT2005-05565-C02-02  
**Start-End date:** 01/07/2010 - 28/02/2014 **Duration:** 43 months  
**Total amount:** 179,82 €  
**Dedication regime:** Full time  
**Applicant's contribution:** Preparation (via pulsed laser deposition and sputtering), and magnetic, electric transport and structural characterization of granular multilayers.
- 4** **Name of the project:** NANOSENSORES MAGNETORESISTIVOS COM ELEVADAS SENSIBILIDADE E RESOLUÇÃO ESPACIAL PARA DETECÇÃO DE CAMPOS MAGNÉTICOS ULTRA BAIXOS  
**Type of project:** Basic research (including **Geographical area:** National  
archaeological digs, etc)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Engenharia de Sistemas e Computadores - Microsistemas e Nanotecnologias  
**City of entity:** Lisbon, Portugal  
**Name principal investigator (PI, Co-PI....):** Susana Cardoso  
**Nº of researchers:** 10  
**Funding entity or bodies:**  
Fundação para a Ciência e a Tecnologia **Type of entity:** State agency  
**City funding entity:** Lisbon, Portugal  
**Type of participation:** Others  
**Name of the programme:** Funding of Research and Development Projects in all Scientific Domains - 2009



**Start-End date:** 2012 - 2014**Duration:** 4 years**Total amount:** 165.431 €**Dedication regime:** Part time

**5** **Name of the project:** SCOMagNO : SINCRONIZAÇÃO EM FREQUENCIA DE UM OSCILADOR RF CMOS POR UM NANO-OSCILADOR BASEADO EM TORQUE POR TRANSFERÊNCIA DE SPIN (PTDC/CTM-NAN/112672/2009)

**Type of project:** Basic research (including archaeological digs, etc)**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Instituto de Engenharia de Sistemas e Computadores - Microsistemas e Nanotecnologias**City of entity:** Lisbon, Portugal**Name principal investigator (PI, Co-PI....):** Ricardo Alexandre Ferreira**Nº of researchers:** 15**Funding entity or bodies:**

Fundação para a Ciência e a Tecnologia

**Type of entity:** State agency**City funding entity:** Lisbon, Portugal**Type of participation:** Others**Name of the programme:** Funding of Research and Development Projects in all Scientific Domains - 2009**Start-End date:** 2012 - 2014**Duration:** 4 years**Total amount:** 146,52 €**Dedication regime:** Part time

**6** **Name of the project:** CONSOLIDER CSD2006-12 NANOBIMED

**Type of project:** Industrial research**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Facultad de Ciencias-Universidad de Zaragoza**Type of entity:** University**City of entity:** Zaragoza, Aragon, Spain**Name principal investigator (PI, Co-PI....):** Manuel Ricardo Ibarra García**Nº of researchers:** 30**Funding entity or bodies:**

MINISTERIO DE EDUCACION Y CIENCIA

**City funding entity:** Spain**Type of participation:** Others**Start-End date:** 15/09/2006 - 14/09/2011**Duration:** 5 years**Total amount:** 3.910.000 €**Applicant's contribution:** Development of a magnetotransport setup. Characterization of magnetoresistive thin films.

**7** **Name of the project:** ESTEEM-European Network (RII3-CT-2006-026019)

**Type of project:** Research and development, including transfer**Geographical area:** European Union**Degree of contribution:** Technician**Entity where project took place:** CEMES-CNRS**Type of entity:** Public Research Body**City of entity:** Toulouse, France**Name principal investigator (PI, Co-PI....):** Gustaf Van Tendeloo**Funding entity or bodies:**

European Community

**Type of entity:** 28 EU Commissioners**City funding entity:** Brussels, Belgium



**Type of participation:** Workforce

**Name of the programme:** Integrated Infrastructure Initiative (I3)

**Start-End date:** 07/07/2006 - 30/06/2011

**Duration:** 60 months

**Total amount:** 8.700.000 €

**Dedication regime:** Full time

**Applicant's contribution:** Thin film growth. Preparation of lamellas for TEM measurements.

**8 Name of the project:** Síntesis y caracterización de materiales magnéticos para aplicaciones en magnetoelectrónica y refrigeración magnética

**Type of project:** Basic research (including archaeological digs, etc)

**Geographical area:** National

**Degree of contribution:** Current university student

**Entity where project took place:** Instituto de Ciencia de Materiales de Aragón

**Type of entity:** State agency

**City of entity:** Zaragoza, Aragon, Spain

**Name principal investigator (PI, Co-PI....):** José María De Teresa Nogueras

**Funding entity or bodies:**

MINISTERIO DE EDUCACION Y CIENCIA

**City funding entity:** Spain

**Type of participation:** Others

**Code according to the funding entity:** MAT2005-05565-C02-02

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

**Duration:** 3 years

**Total amount:** 119 €

**Applicant's contribution:** Thin film growth. Structural, magnetic and transport and magnetotransport characterization. Elaboration of scientific articles.

## Scientific and technological activities

### Scientific production

**H index:** 7

**Date of application:** 29/04/2019

### Publications, scientific and technical documents

**1** Andrii Vovk; Alberto García García; Yuri G. Pogorelov; José Angel Pardo; Gleb Nicolai Kakazei; Pavel Strichovanec; Joao Pedro Araújo; César Magén; Pedro Antonio Algarabel Lafuente. Probing the morphology of epitaxial Fe/MgO discontinuous multilayers by magnetometric technique. Journal of Magnetism and Magnetic Materials. 474, pp. 369 - 373. Elsevier, 01/03/2019. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0169433214028980>>.

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 2

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 9

**Corresponding author:** No

**Impact source:** SCOPUS

**Impact index in year of publication:** 3.046

**Source of citations:** SCOPUS

**Citations:** 0



- 2** Nikolay Igorevich Polushkin; Armando da Costa Duarte; Olinda Conde; E. Alves; Nuno Pessoa Barradas; Alberto García García; Gleb Nicolai Kakazei; Joao Oliveira Ventura; Joao Pedro Araújo; Vítor Oliveira; Rui Vilar. Laser-induced diffusion decomposition in Fe-V thin-film alloys. APPLIED SURFACE SCIENCE. Elsevier, 2015. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0169433214028980>>. ISSN 0169-4332  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 6 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Impact source:** Thomson Reuters  
**Impact index in year of publication:** 2.538  
**Source of citations:** SCOPUS **Citations:** 0
- 3** Julie Berendt; Jose Miguel Teixeira; Alberto García García; María Raposo; Paulo Ribeiro; Janusz Dubowik; Gleb Nicolai Kakazei. Tunable magnetic anisotropy in permalloy thin films grown on holographic relief gratings. APPLIED PHYSICS LETTERS. 104, pp. 082408. AIP Publishing, 26/02/2014. Available on-line at: <<http://dx.doi.org/10.1063/1.4867162>>. ISSN 0003-6951  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Impact source:** Thomson Reuters **Category:** Applied Physics  
**Impact index in year of publication:** 3.515  
**Source of citations:** SCOPUS **Citations:** 7
- 4** Alberto García García; Pedro Antonio Algarabel Lafuente; José Ángel Pardo; Zdenek Arnold; Jiri Kamarád. Pressure dependence of the magneto-transport properties in Fe/MgO granular systems. JOURNAL OF THE KOREAN PHYSICAL SOCIETY. 62 - 10, pp. 1458 - 1460. Springer, 01/05/2013. Available on-line at: <<http://link.springer.com/article/10.3938%2Fjkps.62.1458>>. ISSN 0374-4884  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Impact source:** SCOPUS **Category:** Condensed Matter Physics  
**Impact index in year of publication:** 0.425  
**Source of citations:** SCOPUS **Citations:** 0
- 5** Guillermo Ortiz; Alberto García García; Jamal Ben Youssef; Nicolas Biziere; Fabrice Boust; Jean François Bobo; Etienne Snoeck; Nicolas Vukadinovic. Broadband Ferromagnetic Resonance Study of Co<sub>2</sub>MnSi Thin Films: Effect of the Film Thickness. IEEE TRANSACTIONS ON MAGNETICS. 49 - 3, pp. 1037 - 1040. IEEE Magnetics Society, 01/03/2013. Available on-line at: <[http://ieeexplore.ieee.org/xpl/abstractReferences.jsp?tp=&arnumber=6466528&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs\\_all.jsp%3Farnumber%3D6466528](http://ieeexplore.ieee.org/xpl/abstractReferences.jsp?tp=&arnumber=6466528&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6466528)>. ISSN 0018-9464  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Impact source:** SCOPUS **Category:** Science Edition - PHYSICS, APPLIED  
**Impact index in year of publication:** 1.213  
**Source of citations:** IEEE.org **Citations:** 3

- 6** Guillermo Ortiz; Alberto García García; Nicolas Biziere; Fabrice Boust; Jean François Bobo; Etienne Snoeck. Growth, structural, and magnetic characterization of epitaxial Co<sub>2</sub>MnSi films deposited on MgO and Cr seed layers. JOURNAL OF APPLIED PHYSICS. 113 - 4, pp. 043921. AIP Publishing, 2013. Available on-line at: <<http://scitation.aip.org/content/aip/journal/jap/113/4/10.1063/1.4789801>>.
- Type of production:** Scientific paper  
**Position of signature:** 2
- Impact source:** Thomson Reuters  
**Impact index in year of publication:** 2.185
- Source of citations:** SCOPUS  
**Citations:** 14
- Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
- 7** Alberto García García; José Ángel Pardo; Elvira Navarro; Pavel Štrichovanec; Andriy Vovk; Luis Morellón Alquézar; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García. Combinatorial pulsed laser deposition of Fe/MgO granular multilayers. APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING. 107 - 4, pp. 871 - 876. Springer, 2012. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84861576931&partnerID=MN8TOARS>>. ISSN 0947-8396
- Type of production:** Scientific paper  
**Position of signature:** 1
- Impact source:** Thomson Reuters  
**Impact index in year of publication:** 1.694
- Source of citations:** SCOPUS  
**Citations:** 2
- Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
- 8** Nikolay Igorevich Polushkin; Vitor Oliveira; Olinda Conde; Rui Vilar; Yurii N. Drozdov; Arlette Apolinário; Alberto García García; Jose Miguel Teixeira; Gleb Nicolai Kakazei. Evidences for direct magnetic patterning via diffusive transformations using femtosecond laser interferometry. APPLIED PHYSICS LETTERS. 101 - 13, pp. 132408. 2012. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84880787859&partnerID=MN8TOARS>>. ISSN 0003-6951
- Type of production:** Scientific paper  
**Position of signature:** 7
- Impact source:** Thomson Reuters  
**Impact index in year of publication:** 3.515
- Source of citations:** SCOPUS  
**Citations:** 11
- Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
- 9** Alberto García García; José Ángel Pardo; Pavel Štrichovanec; César Magén; Andriy Vovk; José María De Teresa; Gleb Nicolai Kakazei; Yuri Grigori Pogorelov; Vladimir Golub; Oleksandr Salyuk; Luis Alberto Morellón Alquézar; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García. Magnetic properties of epitaxial discontinuous Fe/MgO multilayers. JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. 12 - 9, pp. 7505 - 7509. American Scientific Publishers, 2012. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84866130247&partnerID=MN8TOARS>>. ISSN 1533-4880
- Type of production:** Scientific paper  
**Position of signature:** 1
- Impact source:** SCOPUS  
**Impact index in year of publication:** 1.339
- Source of citations:** SCOPUS  
**Citations:** 1
- Category:** Science Edition - PHYSICS, APPLIED



- 10** Alberto García García; Andriy Vovk; Pavel Štrichovanec; José Ángel Pardo; Cesar Magén; Vladimir Golub; Oleksandr Salyuk; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García. Morphology, magnetic and resonance properties of Fe/MgO multilayers. JOURNAL OF PHYSICS: CONFERENCE SERIES. 303 - 1, pp. 012052. IOP Publishing, 2011. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-80051705155&partnerID=MN8TOARS>>. ISSN 1742-6588  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
- 11** Alberto García García; José Ángel Pardo; Pavel Štrichovanec; César Magén; Andriy Vovk; José María De Teresa Nogueras; Gleb Kakazei Kakazei; Yuri G. Pogorelov; Luis Alberto Morellón Alquézar; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García. Tunneling magnetoresistance in epitaxial discontinuous Fe/MgO multilayers. APPLIED PHYSICS LETTERS. 98 - 12, pp. 122502. AIP Publishing, 2011. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-79953847151&partnerID=MN8TOARS>>. ISSN 0003-6951  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Impact source:** Thomson Reuters  
**Impact index in year of publication:** 3.515  
**Source of citations:** SCOPUS **Citations:** 9
- 12** Alberto García García; Andriy Vovk; Pavel Štrichovanec; José Ángel Pardo; César Magén; Pedro Antonio Algarabel Lafuente; José María De Teresa Nogueras; Luis Alberto Morellón Alquézar; Manuel Ricardo Ibarra García. Determination of the percolation threshold in Fe/MgO magnetic granular multilayers. JOURNAL OF PHYSICS: CONDENSED MATTER. 22 - 5, pp. 056003. Institute of Physics Publishing, 2010. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-75649152047&partnerID=MN8TOARS>>. ISSN 0953-8984  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Source of citations:** SCOPUS **Citations:** 11
- 13** Alberto García García; Andriy Vovk; José Ángel Pardo; Pavel Štrichovanec; Pedro Antonio Algarabel Lafuente; C. Mañón; J.M. De Teresa; L. Morellón; M.R. Ibarra. Tunneling magnetoresistance in Fe/MgO granular multilayers. JOURNAL OF APPLIED PHYSICS. 107 - 3, pp. 033704. AIP Publishing, 2010. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-76949085180&partnerID=MN8TOARS>>. ISSN 0021-8979  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Impact source:** Thomson Reuters  
**Impact index in year of publication:** 2.185  
**Source of citations:** SCOPUS **Citations:** 16
- 14** Alberto García García; Andriy Vovk; José Ángel Pardo; Pavel Štrichovanec; César Magén; Etienne Snoeck; Pedro Antonio Algarabel Lafuente; José María De Teresa Nogueras; Luis Alberto Morellón Alquézar; Manuel Ricardo Ibarra García. Magnetic properties of FeMgO granular multilayers prepared by pulsed laser deposition. JOURNAL OF APPLIED PHYSICS. 105 - 6, pp. 063909. AIP Publishing, 2009. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-63749125325&partnerID=MN8TOARS>>. ISSN 0021-8979  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Impact source:** Thomson Reuters



**Impact index in year of publication:** 2.185

**Source of citations:** SCOPUS

**Citations:** 29

## Works submitted to national or international conferences

- 1** **Title of the work:** Challenges and perspectives of epitaxial graphene grown on SiC  
**Name of the conference:** Graphene Week 2018  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** San Sebastian, Spain  
**Date of event:** 10/09/2018  
**End date:** 14/09/2018  
**Organising entity:** Graphene Flagship **Type of entity:** EU Consortium  
**With external admission assessment committee:** Yes  
Alberto García García; Gemma Rius; Ana Ballestar; Maria Jesus Perez; Manuel Ricardo Ibarra; José María De Teresa Nogueras; Philippe Godignon.
- 2** **Title of the work:** Wafer-scale growth of epitaxial graphene on SiC  
**Name of the conference:** Graphene 2018  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Dresden, Germany  
**Date of event:** 26/06/2018  
**End date:** 29/06/2018  
**Organising entity:** FUNDACION PHANTOMS  
Alberto García García; Ana Ballestar; Maria Jesus Perez; Gemma Rius; Manuel Ricardo Ibarra; José María De Teresa Nogueras; Philippe Godignon.
- 3** **Title of the work:** Overcoming technological issues of graphene grown on SiC  
**Name of the conference:** International Symposium on Epitaxial Graphene 2017 (ISEG 2017)  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Nagoya, Japan  
**Date of event:** 22/11/2017  
**End date:** 25/11/2017  
**Organising entity:** University of Nagoya **Type of entity:** University Centres and Structures and Associated Bodies  
Alberto García García; Gemma Rius; Ana Ballestar; Luis Serrano; Maria Jesus Perez; Elisabet Prats Alfonso; Rosa Villa; Manuel Ricardo Ibarra; José María De Teresa Nogueras; Philippe Godignon.
- 4** **Title of the work:** Graphene for high-performance electronic devices  
**Name of the conference:** Graphene Week  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Athens, Greece  
**Date of event:** 25/09/2017  
**End date:** 29/09/2017  
**Organising entity:** FUNDACION PHANTOMS



Ana Ballestar; Luis Serrano; Alberto García García; Gemma Rius; Manuel Ricardo Ibarra; José María De Teresa Nogueras; Philippe Godignon.

**5 Title of the work:** Synthesis of epitaxial graphene on SiC for graphene-based electronics

**Name of the conference:** Graphene 2017

**Type of event:** Conference

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

**City of event:** Barcelona, Catalonia, Spain

**Date of event:** 28/03/2017

**End date:** 31/03/2017

**Organising entity:** FUNDACION PHANTOMS

Ana Ballestar; Alberto García García; Luis Serrano; Gemma Rius; Manuel Ricardo Ibarra; José María De Teresa Nogueras; Philippe Godignon.

**6 Title of the work:** Synthesis of epitaxial graphene from electronic applications

**Name of the conference:** Nano 2D

**Type of event:** Workshop

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

**Corresponding author:** Yes

**City of event:** Salamanca, Castile and León, Spain

**Date of event:** 25/01/2017

**End date:** 26/01/2017

**Organising entity:** Red Española de Nanolitografía (Nanolito)

Alberto García García; Ana Ballestar; Luis Serrano; Gemma Rius; Manuel Ricardo Ibarra; José María De Teresa Nogueras; Philippe Godignon.

**7 Title of the work:** Epitaxial graphene on SiC: a route towards high-performance electronic devices

**Name of the conference:** GraphIn 2016

**Type of event:** Workshop

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

**Corresponding author:** Yes

**City of event:** Barcelona, Catalonia, Spain

**Date of event:** 13/12/2016

**End date:** 13/12/2016

**Organising entity:** FUNDACION PHANTOMS

Alberto García García; Luis Serrano; Ana Ballestar; Gemma Rius; Philippe Godignon; Manuel Ricardo Ibarra; José María De Teresa Nogueras.

**8 Title of the work:** High electron mobility and low quantum Hall effect in graphene grown on SiC

**Name of the conference:** GrapChina 2016

**Type of event:** Conference

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

**City of event:** Qingdao, China

**Date of event:** 22/09/2016

**End date:** 24/09/2016

**Organising entity:** China Innovation Alliance of the Graphene Industry (CGIA) **Type of entity:** Foundation

Ana Ballestar; Alberto García García; Luis Serrano; José María De Teresa Nogueras; Manuel Ricardo Ibarra; Philippe Godignon.



- 9** **Title of the work:** Graphene grown on SiC substrates for applications in electronics  
**Name of the conference:** Graphene 2016  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Genova, Italy  
**Date of event:** 19/04/2016  
**End date:** 22/04/2016  
**Organising entity:** FUNDACION PHANTOMS  
Ana Ballestar; Alberto García García; Luis Serrano; José María De Teresa Nogueras; Manuel Ricardo Ibarra; Philippe Godignon.
- 10** **Title of the work:** High electron mobility and low-field quantum Hall effect in graphene grown on SiC substrates ready for back gating  
**Name of the conference:** Graphene Canada  
**Type of participation:** Participatory - oral communication  
**City of event:** Montreal, Canada  
**Date of event:** 14/10/2015  
**End date:** 16/10/2015  
**Organising entity:** FUNDACION PHANTOMS  
Philippe Godignon; Ana Ballestar; Alberto García García; Luis Serrano; José María De Teresa Nogueras; Manuel Ricardo Ibarra.
- 11** **Title of the work:** Influence of SiC substrate modification on the growth of epitaxial graphene  
**Name of the conference:** Trends in Nanotechnology 2015  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Toulouse, France  
**Date of event:** 07/09/2015  
**End date:** 11/09/2015  
**Organising entity:** FUNDACION PHANTOMS  
Alberto García García; Ana Ballestar; Philippe Godignon; José María De Teresa Nogueras; Manuel Ricardo Ibarra.
- 12** **Title of the work:** Tunable magnetic anisotropy in magnetic thin films grown on holographic relief gratings  
**Name of the conference:** 59th Annual Magnetism and Magnetics Materials Conference  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Geographical area:** Non EU International  
**Reasons for participation:** Review before acceptance  
**City of event:** Honolulu, United States of America  
**Date of event:** 11/2014  
**Organising entity:** Magnetism and Magnetic Materials-International Committee  
Alberto García García; José Miguel Teixeira; Julie Berendt; María Raposo; Paulo Ribeiro; Janusz Dubowik; Joao Pedro Araújo; Joao Oliveira Ventura; Gleb Nicolai Kakazei; David Simon Schmool.
- 13** **Title of the work:** Magnetic anisotropy in Py thin films grown on holographic relief gratings  
**Name of the conference:** 1st CLUSTER Workshop in Materials and Nanotechnology  
**Type of event:** Workshop  
**Type of participation:** 'Participatory - poster  
**Geographical area:** European Union  
**Reasons for participation:** Review before acceptance  
**City of event:** Lisbon, Portugal  
**Date of event:** 12/2013  
**Organising entity:** Instituto Superior Tecnico-Lisbon **Type of entity:** Public Research Body





**City organizing entity:** Lisbon, Portugal

Alberto García García; Julie Berendt; José Miguel Teixeira; María Raposo; Janusz Dubowik; Gleb Nicolai Kakazei; David Simon Schmool.

- 14** **Title of the work:** Magnetic anisotropy in periodic thin films grown on relief polymer seed layers  
**Name of the conference:** DICNMA 2013: Donostia International Conference on Nanoscaled Magnetism and Applications  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication **Reasons for participation:** Review before acceptance  
**City of event:** San Sebastian, Basque Country, Spain  
**Date of event:** 09/2013  
**Organising entity:** FUNDACION IKERBASQUE/IKERBASQUE FUNDAZIOA  
Alberto García García; Julie Berendt; José Miguel Teixeira; Maria Raposo; Paulo Ribeiro; Gleb Nicolai Kakazei; David Simon Schmool.
- 15** **Title of the work:** Magnonic crystal fabrication using relief-grating substrates  
**Name of the conference:** RIAO/OPTILAS 2013: VIII Iberoamerican Conference on Optics/ XI Latinamerican meeting on Optics, Lasers and Applications  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**City of event:** Porto, Portugal  
**Date of event:** 07/2013  
**Organising entity:** Faculty of Sciences of the University of Porto **Type of entity:** University  
**City organizing entity:** Porto, Portugal  
Alberto García García; Julie Berendt; José Miguel Teixeira; Maria Raposo; Paulo Ribeiro; Gleb Nicolai Kakazei; David Simon Schmool.
- 16** **Title of the work:** Fuctional Magnetic Oxides nanostructures  
**Name of the conference:** II Workshop on the Physics of Complex Oxides  
**Type of event:** Workshop **Geographical area:** European Union  
**Type of participation:** Participatory - invited/keynote talk **Reasons for participation:** Upon invitation  
**City of event:** Alcudia, Balearic Islands, Spain  
**Date of event:** 10/2012  
**Organising entity:** International Committee **Type of entity:** Associations and Groups  
Lorena Marín Mercado; Luis Alfredo Rodríguez; Alberto García García; César Magén; Irene Lucas; Laura Casado; José Miguel Teixeira; Luis Alberto Morellón Alquézar; José Ángel Pardo; Etienne Snoeck; José María De Teresa Nogueras; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García.
- 17** **Title of the work:** Magnetization study as a probe of morphology on Fe/MgO granular multilayers  
**Name of the conference:** Joint European Magnetic Symposia-JEMS2012  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**City of event:** Parma, Italy  
**Date of event:** 09/2012  
**Organising entity:** Physics Department of the University of Parma **Type of entity:** University Department  
**City organizing entity:** Parma, Italy



Alberto García García; Yuri Pogorelov; José Ángel Pardo; César Magén; Andriy Vovk; José María De Teresa Nogueras; Luis Alberto Morellón Alquézar; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García; Gleb Nicolai Kakazei.

**18 Title of the work:** Quantitative analysis of magnetic phases in nanogranular layers by low-field magnetometry

**Name of the conference:** Joint European Magnetic Symposia-JEMS2012

**Type of event:** Conference

**Geographical area:** Non EU International

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

**Reasons for participation:** Review before acceptance

**City of event:** Parma, Italy

**Date of event:** 09/2012

**Organising entity:** Physics Department of the University of Parma

**Type of entity:** University Department

**City organizing entity:** Parma, Italy

Gleb Nicolai Kakazei; Alberto García García; Yuri Pogorelov; Susana Cardoso; Paulo Jorge Peixeiro de Freitas.

**19 Title of the work:** Broadband ferromagnetic resonance study of Co<sub>2</sub>MnSi thin films: effect of the film thickness

**Name of the conference:** 2012 IEEE International Conference on Microwave Magnetics

**Type of event:** Conference

**Geographical area:** Non EU International

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

**Reasons for participation:** Review before acceptance

**City of event:** Kaiserslautern, Germany

**Date of event:** 26/08/2012

**End date:** 29/09/2012

**Organising entity:** University of Kaiserslautern

**Type of entity:** University

**City organizing entity:** Kaiserslautern, Germany

**With external admission assessment committee:** Yes

Guillermo Ortiz; Alberto García García; Jamal Ben Youssef; Nicolas Biziere; Nicolas Biziere; Jean François Bobo; Etienne Snoeck; Nicolas Vukadinovic. 28/08/2012.

**20 Title of the work:** Combinatorial Pulsed Laser Deposition of Fe/MgO Discontinuous Metal-Insulator Multilayers

**Name of the conference:** MRS Fall Meeting & Exhibit

**Type of event:** Conference

**Geographical area:** Non EU International

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

**Reasons for participation:** Review before acceptance

**City of event:** Boston, United States of America

**Date of event:** 11/2011

**Organising entity:** Materials Research Society

**Type of entity:** Associations and Groups

Alberto García García; José Ángel Pardo; Elvira Navarro; Pavel Strichovanec; Andriy Vovk; Luis Alberto Morellón Alquézar; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García.

**21 Title of the work:** Magnetic, dynamic and transport properties of epitaxial Fe/MgO multilayers

**Name of the conference:** International Conference Functional Materials 2011

**Type of event:** Conference

**Geographical area:** Non EU International

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

**City of event:** Crimea, Ukraine

**Date of event:** 10/2011

**Organising entity:** Ministry of Education and Science of Ukraine

**City organizing entity:** Kiev, Ukraine

Alberto García García; Andriy Vovk; Gleb Nicolai Kakazei; Yuri Pogorelov; Vladimir Vladimir; Oleksiy Salyuk; José Ángel Pardo; Pavel Strichovanec; César Magén; José María De Teresa Nogueras; Luis Alberto Morellón Alquézar; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García.

**22 Title of the work:** Propriétés structuralés et magnétiques de l'alliage Heusler Co<sub>2</sub>MnSi**Name of the conference:** XIVème Colloque Louis Neel**Type of event:** Conference**Geographical area:** National**Type of participation:** Participatory - oral communication**City of event:** Brest, France**Date of event:** 09/2011**Organising entity:** Institut NEEL**Type of entity:** R&D Centre**City organizing entity:** Grenoble, France

Guillermo Ortiz; Alberto García García; Nicolas Biziere; Fabrice Boust; Jean François Bobo; Etienne Snoeck.

**23 Title of the work:** Magnetic properties of epitaxial discontinuous Fe/MgO multilayers**Name of the conference:** Recent trends in nanomagnetism, spintronics and their applications**Type of event:** Conference**Geographical area:** European Union**Type of participation:** 'Participatory - poster**City of event:** Ordizia, Basque Country, Spain**Date of event:** 06/2011**Organising entity:** Grupo Especializado de Física de Estado Sólido-Real Sociedad Española de Física**Type of entity:** Associations and Groups

Alberto García García; José Ángel Pardo; Pavel Strichovanec; César Magén; Andriy Vovk; José María De Teresa Nogueras; Gleb Nikolai Kakazei; Yuri Pogorelov; Vladimir Golub; Oleksiy Salyuk; Luis Alberto Morellón Alquézar; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García.

**24 Title of the work:** Morphology, magnetic and resonance properties of Fe/MgO multilayers**Name of the conference:** Joint European Magnetic Symposia-JEMS 2010**Type of event:** Conference**Geographical area:** European Union**Type of participation:** 'Participatory - poster**City of event:** Kraków, Poland**Date of event:** 08/2010**Organising entity:** Institute of Physics-Jagiellonian University**Type of entity:** University Research Institute**City organizing entity:** Kraków, Poland

Alberto García García; Andriy Vovk; Pavel Strichovanec; José Ángel Pardo; Vladimir Golub; Oleksiy Salyuk; César Magén; Pedro Antonio Algarabel Lafuente; Manuel Ricardo Ibarra García.

**25 Title of the work:** Influence of the substrate and deposition temperature on the magnetotransport properties of Fe/MgO discontinuous multilayers**Name of the conference:** 4th Seeheim conference on Magnetism**Type of event:** Conference**Geographical area:** Non EU International**Type of participation:** 'Participatory - poster**Reasons for participation:** Open access**City of event:** Frankfurt am Main, Germany**Date of event:** 03/2010**Organising entity:** Karlsruhe Institute of Technology**Type of entity:** University**City organizing entity:** Karlsruhe, Germany

Alberto García García; Andriy Vovk; José Ángel Pardo; Pavel Strichovanec; César Magén; Alfonso Ibarra; Pedro Antonio Algarabel Lafuente; José María De Teresa Nogueras; Manuel Ricardo Ibarra García; Luis Alberto Morellón Alquézar.



- 26** **Title of the work:** Influence of the substrate and deposition temperature on the magnetotransport properties of Fe/MgO discontinuous multilayers  
**Name of the conference:** 6th National meeting on Solid-State Physics  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Open access  
**City of event:** Zaragoza, Aragon, Spain  
**Date of event:** 02/2010  
**Organising entity:** Grupo Especializado de Física de Estado Sólido-Real Sociedad Española de Física Alberto García García; Andriy Vovk; José Ángel Pardo; Pavel Strichovanec; César Magén; Alfonso Ibarra; Pedro Antonio Algarabel Lafuente; José María De Teresa Nogueras; Luis Alberto Morellón Alquézar; Manuel Ricardo Ibarra García.
- 27** **Title of the work:** Structural, magnetic and magnetotransport characterization of Fe/MgO granular multilayers  
**Name of the conference:** 20th International Colloquium on Magnetic Films and Surfaces  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Open access  
**City of event:** Berlin, Germany  
**Date of event:** 07/2009  
**Organising entity:** Deutsche Forschungsgemeinschaft **Type of entity:** Research funding organization  
**City organizing entity:** Bonn, Germany  
Alberto García García; Andriy Vovk; José Ángel Pardo; Pedro Antonio Algarabel Lafuente; César Magén; Pavel Strichovanec; Luis Alberto Morellón Alquézar; José María De Teresa Nogueras; Manuel Ricardo Ibarra García.
- 28** **Title of the work:** Structural, magnetic and magnetotransport properties of Fe/MgO granular multilayers  
**Name of the conference:** NanoSpain  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Open access  
**City of event:** Zaragoza, Aragon, Spain  
**Date of event:** 03/2009  
**Organising entity:** Spanish Nanotechnology Network **Type of entity:** Innovation and Technology Centres  
Alberto García García; Andriy Vovk; José Ángel Pardo; Pedro Antonio Algarabel Lafuente; César Magén; Pavel Strichovanec; Luis Alberto Morellón Alquézar; José María De Teresa Nogueras; Manuel Ricardo Ibarra García.
- 29** **Title of the work:** Magnetic determination of the grain size in granular Fe/MgO multilayers  
**Name of the conference:** Joint European Magnetic Symposia  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Dublín, Ireland  
**Date of event:** 09/2008  
**Organising entity:** Joint European Magnetic Symposia Committee **Type of entity:** Associations and Groups  
Alberto García García; Andriy Vovk; José Ángel Pardo; Pedro Antonio Algarabel Lafuente; César Magén; Pavel Strichovanec; Luis Alberto Morellón; José María De Teresa Nogueras; Manuel Ricardo Ibarra García.
- 30** **Title of the work:** TEM characterization of nanometer-sized Fe/MgO granular multilayers thin films grown by pulsed laser deposition  
**Name of the conference:** EMC 2008 14th European Microscopy Congress



**Type of event:** Conference **Geographical area:** European Union

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

**City of event:** Aachen, Germany

**Date of event:** 09/2008

**Organising entity:** EUROPEAN MICROSCOPY SOCIETY **Type of entity:** Business

César Magén; Etienne Snoeck; Alberto García García; José Ángel Pardo; Pedro Antonio Algarabel Lafuente; Pavel Strichovanec; Andriy Vovk; Luis Alberto Morellón Alquézar; José María De Teresa Nogueras; Manuel Ricardo Ibarra García.

**31 Title of the work:** Preparation of nanometer-sized granular Fe/MgO multilayers around the percolation limit by Pulsed Laser Deposition

**Name of the conference:** 2nd Internacional Conference on Advanced Nanomaterials

**Type of event:** Conference

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**City of event:** Aveiro, Portugal

**Date of event:** 06/2008

**Organising entity:** University of Aveiro

**Type of entity:** University

**City organizing entity:** Aveiro, Portugal

Alberto García García; Andriy Vovk; José Ángel Pardo; Pedro Antonio Algarabel Lafuente; César Magén; Pavel Strichovanec; Luis Alberto Morellón Alquézar; José María De Teresa Nogueras; Manuel Ricardo Ibarra García.

**32 Title of the work:** Preparation and magnetic characterization of Fe/MgO layered granular thin films

**Name of the conference:** Intermag Europe 2008 International Magnetism Conference

**Type of event:** Conference

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Open access

**City of event:** Madrid, Community of Madrid, Spain

**Date of event:** 05/2008

**Organising entity:** IEEE Magnetism Society

**Type of entity:** Associations and Groups

Alberto García García; Andriy Vovk; José Ángel Pardo; Pedro Antonio Algarabel Lafuente; César Magén; Pavel Strichovanec; Luis Alberto Morellón Alquézar; José María De Teresa Nogueras; Manuel Ricardo Ibarra García.

**33 Title of the work:** [Fe(t)/MgO]<sub>N</sub> sample preparation for transmission electron microscopy using the FIB lift out method

**Name of the conference:** First Spanish Workshop on Nanolithography and their applications

**Type of event:** Workshop

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

**City of event:** Zaragoza, Aragon, Spain

**Date of event:** 10/2007

**Organising entity:** Spanish Nanotechnology Network **Type of entity:** Innovation and Technology Centres

Manuel Ricardo Ibarra García; Pavel Strichovanec; Alberto García García; Rosa Córdoba; José Ángel Pardo; Luis Morellón Alquézar; Pedro Antonio Algarabel Lafuente; José María De Teresa Nogueras.

**34 Title of the work:** Sample preparation for TEM using the FIB lift out method

**Name of the conference:** European School on Magnetism

**Type of event:** School

**Type of participation:** 'Participatory - poster

**City of event:** Cluj-Napoca, Romania

**Date of event:** 09/2007

**Organising entity:** University of Cluj-Napoca

**Type of entity:** University



**City organizing entity:** Cluj-Napoca, Romania

Pavel Strichovanec; Alberto García García; Rosa Córdoba; José Ángel Pardo; Luis Morellón Alquézar; Pedro Antonio Algarabel Lafuente; José María De Teresa Nogueras; Manuel Ricardo Ibarra García.

## Works submitted to national or international seminars, workshops and/or courses

**Title of the work:** Writing sinusoidal templates for thin film growth

**Name of the event:** VIII Jornadas do IFIMUP

**Type of event:** Workshop

**Geographical area:** Regional

**City of event:** Porto, Portugal

**Date of event:** 12/09/2014

**Organising entity:** IFIMUP-IN

**Type of entity:** University Research Institute

**City organizing entity:** Porto, Portugal

**With external admission assessment committee:** No

Alberto García García; José Miguel Teixeira; Julie Berendt; Gleb Kakazei; Joao Ventura; Joao Pedro Araújo; David Simon Schmool. 12/09/2014,

## R&D management and participation in scientific committees

### Organization of R&D activities

**Title of the activity:** PHOTOPTICS 2015

**Type of activity:** Peer review

**City of event:** Berlin, Germany

**Convening entity:** Photonics21

**City convening entity:** Duesseldorf, Germany

**Type of participation:** Curator of exhibition

**N° assistants:** 82

**Start-End date:** 12/03/2015 - 14/03/2015

**Geographical area:** Non EU International

**Type of entity:** Associations and Groups

**Duration:** 2 days

## Other achievements

### Stays in public or private R&D centres

- 1 Entity:** IFIMUP-IN **Type of entity:** University Department  
**Faculty, institute or centre:** Faculty of Science-University of Porto  
**City of entity:** Porto, Portugal  
**Start-End date:** 01/02/2012 - 29/01/2015 **Duration:** 3 years  
**Goals of the stay:** Doctorate  
**Provable tasks:** New routes for the fabrication of magnonic crystals.
- 2 Entity:** INESC-MN **Type of entity:** R&D Centre  
**City of entity:** Lisbon, Portugal  
**Start-End date:** 01/10/2013 - 31/12/2013 **Duration:** 2 months  
**Goals of the stay:** Post-doctoral



**Provable tasks:** Thin film deposition; Lithography mask design; Optimization of spin coating of photoresist; laser exposure

- 3** **Entity:** INESC-MN **Type of entity:** R&D Centre  
**City of entity:** Lisbon, Portugal  
**Start-End date:** 15/06/2012 - 14/07/2012 **Duration:** 1 month  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Thin film deposition; Lithography mask design; Optimization of spin coating of photoresist; laser exposure
- 4** **Entity:** CEMES -CNRS **Type of entity:** Public Research Body  
**City of entity:** Toulouse, France  
**Start-End date:** 01/01/2011 - 10/01/2012 **Duration:** 1 year - 9 days  
**Goals of the stay:** Post-doctoral
- 5** **Entity:** IFIMUP-IN **Type of entity:** University Department  
**Faculty, institute or centre:** Faculty of Science-University of Porto  
**City of entity:** Porto, Portugal  
**Start-End date:** 15/09/2009 - 15/12/2009 **Duration:** 3 months  
**Goals of the stay:** Doctorate  
**Provable tasks:** Growth, structural and magnetoresistance characterization of thin films.
- 6** **Entity:** Institute of Physics ASCR-Department of Magnetism and Superconductors **Type of entity:** University Department  
**City of entity:** Prague, Czech Republic  
**Start-End date:** 01/12/2008 - 12/12/2008 **Duration:** 12 days  
**Goals of the stay:** Doctorate  
**Provable tasks:** Magnetoresistance measurements under high pressure in granular thin films.
- 7** **Entity:** Institut Laue-Langevin **Type of entity:** R&D Centre  
**City of entity:** Grenoble, France  
**Start-End date:** 15/06/2008 - 19/06/2008 **Duration:** 5 days  
**Goals of the stay:** Doctorate  
**Provable tasks:** Neutron reflectivity.

## Obtained grants and scholarships

- 1** **Name of the grant:** Bolsa Investigação  
**City awarding entity:** Porto, Portugal  
**Aims:** Post-doctoral  
**Awarding entity:** Fundação para a Ciência e a Tecnologia **Type of entity:** Public Research Body  
**Conferral date:** 01/02/2012 **Duration:** 3 years - 1 month - 22 days  
**End date:** 23/03/2015  
**Entity where activity was carried out:** University of Porto
- 2** **Name of the grant:** Ayuda Predoctoral de Formación de Personal Investigador  
**Aims:** Pre-doctoral  
**Awarding entity:** MINISTERIO DE EDUCACION Y CIENCIA  
**Conferral date:** 24/06/2006 **Duration:** 4 years



**End date:** 30/09/2010

### Scientific societies and professional associations

**Name of the society:** Real Sociedad Española de Física

**Affiliation entity:** Universidad Complutense de Madrid      **Type of entity:** University

**City affiliation entity:** Madrid, Community of Madrid, Spain

**Start-End date:** 23/04/2010 - 22/04/2011

### Prizes, mentions and distinctions

**Description:** Degree granted with highest honors: "Summa Cum Laude"

**Awarding entity:** Universidad de Zaragoza      **Type of entity:** University

**City awarding entity:** Zaragoza, Aragon, Spain

**Conferral date:** 10/12/2010