



## 9TH EMN MEETING ENERGY MATERIALS NANOTECHNOLOGY

Dear colleague,

It is our great pleasure to announce *9th Energy, Materials, and Nanotechnology (EMN) Meeting*, which will take place in San Sebastian, Spain from 1<sup>st</sup> till 4<sup>th</sup> September, 2015. The EMN meeting began in 2008 as a small workshop held at a traditional villa in Orlando, Florida. Since then it has grown steady and become a global event on the general theme of Energy, Material and Nanotechnology.

It is our hope that the tradition of holding international scientific events in San Sebastián will continue. During the past 15 years we organized several international conferences, such as Magnetism of Nanophase materials (1998), Recent Research on Novel Magnetic Structures and Their Applications (2000), International Workshop on magnetic wires (2001), Third Joint European Magnetic Symposia, JEMS-2006, International Workshop on magnetic wires (2008), Recent Trends on Nanomagnetism, Spintronics and Applications (RTNSA-2011) and Donosita International Conference on Nanoscaled Magnetism and Applications (DICNMA 2013).

We invite all members of the international scientific community interested in new developments in Energy, Materials, and Nanotechnology to attend and to submit their latest findings to EMN 2015. The conference will provide a range of oral and poster presentations, invited talks and symposia, and exhibits reviewing the latest developments in Materials, Energy and Nanotechnology.

Selected (after peer-review) papers from the conference will be published in various ISI and Scopus indexed journals (Nanoscale Research Letters, Journal of Semiconductors, Lecture Notes in Nanoscale Science and Technology, Springer Series

in Materials Science, Journal of Nanoelectronics and Optoelectronics, and Froniter of Materials Science and IEEE Magnetics Letters). Only one paper per registered participant will be published.

We cordially invite you to attend the conference, actively participate in its technical sessions, and contribute to the continued success of this conference series. Up-to-date information on all aspects of the conference will appear soon on the conference webpage: <http://www.emnmeeting.org/spain/>.

The site of this conference is San Sebastian, a friendly, cosmopolitan, city on the beach of the Basque Gulf, capital of the Guipúzcoa (Province of the Basque Country, Spain). San Sebastian, nestled between the Coast Mountains and the Basque Gulf, is well known as a resort, for its majestic natural beauty and for its gastronomy. It is frequently ranked as one of the "best cities to live in" and is certainly a beautiful destination to visit. San Sebastian has been selected as the *European Capital of Culture 2016*. On behalf of the DICNMA organizers, we look forward to seeing you in San Sebastian and to join an exciting and enjoyable conference. The conference will cover the following topics (Conference's topics):

**1. Advanced Functional Materials and Technologies: Energy and Sensing.**

- 1) Smart Sensor Materials and Technologies.
- 2) Thermoelectrics.
- 3) Spin caloritronics.
- 4) Sensing phenomena, modelling and evaluation, Sensor networks.

**2. Advanced Materials, Properties, Processing and Performance.**

- 1) Bulk metallic glasses and composites.
- 2) Novel processing and technologies.
- 3) Nano- and micro-composites, preparation and properties.
- 4) Synthesis techniques and metastable phase formation.

**3. Metamaterials, Microwave Power Engineering, High frequency & Power devices.**

- 1) Tuneable metamaterials.
- 2) Electrodynamics.
- 3) Physics of complex electromagnetic materials.
- 4) Experimental techniques for characterization of metamaterials.
- 5) Microwave Processing of Materials.

**4. Magnetic Materials for Energy Applications.**

- 1) Hard and soft magnetic materials.
- 2) Magnetocaloric materials.
- 3) Magnetic shape-memory materials.
- 4) Magnetism in metals, alloys and intermetallics.

**5. Thin films & nanostructures.**

- 1) Thin films, coatings, multilayers.
- 2) Surface and interface magnetism.

- 3) Spin electronics & applications, Magnetization dynamics.
- 4) Micro, nano and molecular magnetism.
- 5) Magnetic thin film devices.

**6. Novel Materials and Phenomena.**

- 1) Magneto-electric and magneto-elastic effects.
- 2) Nanostructured, nanocrystalline and micro-grained materials.
- 3) Rapidly quenched alloys.
- 4) Magnetophotonics.

**7. Life sciences & applications.**

- 1) Materials for biological applications.
- 2) Magnetism in biology and medicine.
- 3) Biosensors.

**8. Microscopy, Imaging & Characterization.**

- 1) Domains and domain walls.

The conference will be held in the “Escuela Polytechnica de Donostia/San Sebastian” located in the University Campus 10 minutes walking distance from the “Ondarreta’s beach”. The address is **Plaza de Europa, 1, 20018, San Sebastian.**

We invite you all to take part in this first series of this exciting and enjoyable Conference, where experts from all over the world will be able share their latest research.

Abstract submission already opened (<http://www.emnmeeting.org/spain/abstract-submission>). Please, follow the link for further information about the event and preliminary registration: <http://www.emnmeeting.org/spain/>. Please spread this information among your colleagues.

If you require any other information on the San Sebastian (conference venue, accommodation, onsite registration, tourist information), do not hesitate to contact the Conference Secretariat at the following e-mail address: “[emn.spain@gmail.com](mailto:emn.spain@gmail.com)” or visit the website “<http://www.emnmeeting.org/spain/>” (abstract submission, proceedings publication, preliminary registration).

We are looking forward to meeting you in San Sebastian!

Kind regards,

Conference chairmen

**Zh. Wang and A. Zhukov**