

The Phantoms Foundation coordinates the Spain Pavilion at nano tech 2010 (Tokyo, Japan), the world's largest nanotechnology exhibition

Madrid (Spain): February 02, 2010

The world's largest annual nanotechnology exhibition covering the entire nano marketplace and creating a variety of business opportunities, nano tech 2010, will be held from February 17 to 19, 2010 at Tokyo Big Sight, (Tokyo, Japan). The ninth edition of this conference and exhibition is more international in scope than ever, expecting over 50,000 attendees and 600 exhibitors and 900 booths.

The Phantoms Foundation and the Spanish Institute for Foreign Trade (ICEX), in cooperation with the Embassy of Spain (Economic and Commercial Office) in Tokyo will bring together for the third time a nanoscience and nanotechnology Spain Pavilion at nano tech 2010.

Leading Spanish nanoscience and nanotechnology companies, science and technology research centers and industry associations will showcase innovative technologies and projects from Spain under "Spanish Nanoscience and Technological Offer" presenting uses and advances in nanotechnology to better integrate the Spanish Science-Technology-Company-Society in Japan and the Global Market.

The Spain Pavilion will promote the "Spanish Nanoscience and Technological Offer", allowing to represent the scientific, technological and innovative agents of the country as a whole, to foster relationships with other nano tech 2010 participants, to promote country culture of innovation, to better integrate the Spanish "Science-Technology-Company-Society" system in Japan, to generate and to develop scientific and technological knowledge, to improve competitiveness and to contribute to the economic and social development of Spain.

The Spanish participation will group 14 Companies and Research Centres providing an outlook of the most innovative projects and products in various fields of Nanoscience & Nanotechnology.

Participating companies/institutions within the Spain Pavilion are:

1. Phantoms Foundation - www.phantomsnet.net (Coordinator)/ICEX - www.icex.es
2. AlphaSIP - www.alphasip.es
3. AVANZARE Innovación Tecnológica S.L. - www.avanzare.es
4. CSIC -SPANISH NATIONAL RESEARCH COUNCIL - www.csic.es
5. Institute of Nanoscience of Aragon (INA) - <http://ina.unizar.es/index.php>
6. International Iberian Nanotechnology Laboratory (INL) - www.inl.int
7. L'urederra Technological Centre / Tecnan® - www.lurederra.es
8. Nanobiomatters Industries S.L. - www.nanobiomatters.com
9. NANOGAP SUB-NM-POWDER S.A. - www.nanogap.es
10. NANOIMMUNOTECH S.L. - www.nanoimmunotech.es
11. NANORIOJA S.L.U - www.nanorioja.es
12. Neoker,S.L. - www.neoker.org
13. RAMEM-Ioner - www.ioner.eu
14. TAMAG Iberica S.L - www.tamagiberica.com

Phantoms Foundation: <http://www.phantomsnet.net>

ICEX: <http://www.icex.es>

España Technology for life: <http://www.spainbusiness.com>

Spain Business (Japan): <http://www.spainbusiness.jp>

Nano tech 2010: <http://www.nanotechexpo.jp/en>, <http://www.phantomsnet.net/Nanotech2010/>

About the Phantoms Foundation: This Non-Profit organisation was established in 2002 (Madrid, Spain) in order to provide high level Management profile to scientific projects. This association plays an important role in the 6th and 7th Framework Programmes as a platform for European funded projects (nanoICT, nanomagma & NanoCODE) to spread excellence amongst a wider audience, and to help in forming new networks. This Association is now a key actor in structuring and fostering European Excellence in "Nanoscience and Nanotechnology", having a world leading position in organising conferences, training and dissemination activities in this field.

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About Avanzare: **AVANZARE** is a nanomaterials company that produces nanomaterials in large scale for different industrial sectors: plastics, paints, greases, textile, paper, wood, automotive. AVANZARE is able to produce nanomaterials a very affordable price; producing a cost effective increase in the properties of the material or even a decrease in the final price of the material. AVANZARE produces nanomaterials for fire retardants, self-cleaning paper or textile, anti-odour, water resistant paper, fillers for plastics, hardeners for paints, anti-scratch materials, fillers for anti-static polymers, bactericides, anti-UV & anti-IR, etc.

About INA: The **Institute of Nanoscience of Aragon** is an interdisciplinary research institute of the University of Zaragoza (Spain) created in 2003. Its activity is focused on R+D in nanoscience and nanotechnology, based on the processing and fabrication of structures at the nanoscale and the study of their applications, in collaboration with companies and technological institutes from different areas. It is a multidisciplinary research centre, covering different fields, such as Physics, Chemistry, Materials Science, Biology, Biochemistry and Biotechnology.

About NanoBioMatters: **NanoBioMatters** is a material science company specialized in nanoclay-based additives. Its mission is to create additives that maximize performance of materials through unique, green and cost effective nanotechnology. NanoBioMatters combines research and a proprietary know-how in the fields of nanotechnology, food packaging and plastics functionalization using active additives. The company's main products are the NanoBioTer® barrier additives for food shelf life extension and the BactiBlock® antimicrobial additives for surface protection in a wide range of sectors.

About Nanoimmunotec: **NANOIMMUNOTEC:** First European company dedicated to the biological-physico-chemistry characterization of nanostructures, generation of monoclonal antibodies and functionalization of nanoparticles with different elements (antibodies, proteins, sugars...) previous to their use in biomedical applications. The company also includes advice in sterilization and functionalization. The company provides support to biomedical, pharmaceutical and biotechnology companies, veterinary and food market, and research groups dedicated to the synthesis of nanoparticles with potential biomedical application in vivo.

About Nanorioja: **Nanorioja S.L.U.** produces 16 Tm/day of plastic nanocomposites. Its two main products are nano-polypropylene (nrPP) for electrostatic painting; this product can be used for direct electrostatic painting without the use of primer, and low-cost-masterbatches for their use in household appliances.

About Neoker: **NEOKER, S.L.** is presently the only world producer of alumina whiskers. This tiny filamented material is the best choice to be used as reinforcing phase in Advanced Composites. Their unique combination of the highest mechanical strength and their outstanding thermal and mechanical stability make alumina whiskers to behave as extremely high performance materials. Therefore they are perfect to be employed as reinforcing phase in every high added value Advanced Composite. Neoker has now many partners and customers among the defense, aerospace and automotive industries, which are deeply impressed with the improved performance that they are obtaining at their composite materials, thanks to the use of Neoker fibers.

About Tamag Iberica: **TAMAG Iberica S.L.** is a small spin-off enterprise created in 2000 in Spain with the aim to develop magnetically soft microwires with magnetic properties suitable for various applications. TAMAG Iberica S.L. collaborates with Basque Country University and possesses above 100 scientific publications on studies, applications and technology of glass-coated microwires (including books, articles for encyclopedias) and 3 patents on the technology for the fabrication of glass-coated microwires with magnetically soft and magnetically bistable behaviour. Main activity is related with study of amorphous and nanocrystalline microwires including: design of Magnetic Properties (Magnetization Process exhibiting bistable character, Giant Magnetoimpedance effect), applications in the field of Sensors (Magnetic codification and identification, GMI based magnetic sensors, Magnetoelastic signature, magnetic tags for products), processing by means of different techniques (thermal treatments under the effect of mechanical stress, magnetic field, etc). TAMAG has partnership with AICHI Steel Company (Japan) emphasized on GMI sensor development.