Pico Inside project involved in the “Spanish Molecular Electronics Symposium” (SMS2006)

Nanoelectronics represent a strategic technology considering the wide range of possible applications. These include telecommunications, automotive, multimedia, consumer goods and medical systems.

Many of the potential molecular electronic applications still require substantial work in order to be transformed into marketable technology. A concerted effort must therefore be made at the European level to both understand and commercialise atomic scale technology in order to maintain a competitive advantage for Europe and keep Europe at the forefront of the next nanoelectronics revolution, a revolution beyond nanotechnology.

In order for the field of molecular electronic to continue growing exponentially worldwide and therefore lead to new commercial applications and to change the micro and nanoelectronics paradigm, it is necessary to educate new researchers who can work across traditional disciplines. High-level dissemination activities such as SMS2006 will help to establish a critical mass of R&D at a European level and to stimulate development of an interdisciplinary community of researchers.

During this event, 12 European high-level speakers will present latest advances in this emerging field. To enhance participation, registration will be free of charge.

The Spanish Molecular Electronics Symposium (SMS2006) is being organised by Antonio Correia (PHANTOMS Foundation), Daniel Sánchez Portal (DIPC and CSIC-UPV/EHU), David Mecerreyes (CIDETEC) and Javier Aizpurua (DIPC) in collaboration with the NANOTRON and PICO-INSIDE projects. It will take place at the DIPC located at the Basque Country University campus, in San Sebastian (Spain): March 24, 2006.

The following Institutions are sponsoring the event: Donostia International Physics Center (DIPC), CIDETEC, POLYMAT, the ‘Materials + Technologies’ Group (GMT) at Polytechnic School of the University of the Basque Country, Consejo Superior de Investigaciones Científicas (CSIC) and the University of the Basque Country (UPV/EHU).

WEB site: http://www.phantomsnet.net/symposium/

About Pico-Inside: In the IST priority 2 of FP6 (Emerging Nanoelectronics FET proactive initiative), the Pico-Inside consortium (15 academic and industrial research institutes) will explore Atomic Scale Technology with the final goal of integrating a complex logic gate inside a single molecule.

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