

**Madrid (Spain) - October 15, 2007**

**Phantoms Foundation involved in the “2<sup>nd</sup> EU-ICT/FET Cluster Meeting” organisation**

In order for the field of emerging nanoelectronics 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 this **2<sup>nd</sup> EU/FET-Cluster meeting** 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 meeting, an open plenary session (1 day – November 14, 2007) and restricted EU project reviews will take place.

The 1 day plenary session program will be composed of EU representatives’ presentations, invited talks and short contributions on IST/FET FP6 scientific research highlights and future FP7 nanoICT funded projects.

**FP6 projects**

"E-Nano" - ULTRAGAN, D-DOT FET, NANOSPIN and SUBTLE

"Bio" - GOLDEN BRAIN and DNA NANODEVICES

"Single Atom/Single Molecule" - PICO-INSIDE

"CNTs and Nanowires" - CANDICE, CARDEQ, CANEL and NODE

**FP7 projects**

nanoICT Coordination Action

"Single Atom/Single Molecule" - MOLOC, AFSID, SINGLE and CHIMONO

"Switches and Interconnects" - CATHERINE, GRAND, NABAB and VIACARBON

The **2<sup>nd</sup> EU/FET-Cluster meeting** will be organised by the following Institutions: **Phantoms Foundation, EU/FET NanoICT** and **CEMES/CNRS** and in collaboration with the **Pico-Inside** IP project. It will take place at the "Alfredo Kraus Auditorium", in Las Palmas de Gran Canaria (The Canary Island, Spain): November 13-16, 2007.

WEB site: <http://www.phantomsnet.net/Picoinside/EUFET/index.php>

**About Phantoms Foundation:** The Phantoms Foundation (non-profit organisation) was established on November 26, 2002 (Madrid, Spain) in order to provide high level Management profile to National and European scientific projects. This institution focuses its activities on Nanotechnology and Emerging Nanoelectronics and is now a key actor in structuring and fostering European Excellence and enhancing collaborations in these fields / <http://www.phantomsnet.net>

**About EU/FET NanoICT:** FET proactive 1 / Nano-scale ICT devices and systems. The work programme "Nano-scale Information and Communication Technology (ICT) Devices and Systems" is concerned with "components" that for example consist of devices forming the elementary parts of an integrated circuit and represent for example a part of a larger information processing and computing system such as a computer / [http://cordis.europa.eu/fp7/ict/fet-proactive/nanoict\\_en.html](http://cordis.europa.eu/fp7/ict/fet-proactive/nanoict_en.html)

**About CEMES/CNRS – GNS:** The theory team of GNS in Toulouse (France) is well known for having designed and simulated the first hybrid molecular electronic processor with more than 600 single C60 amplifiers, for having established the intramolecular mesh and node circuit laws, to have introduced the first intramolecular circuit simulator (N-ESQC) with a quantum chemistry kernel for a large molecule connected to N atomic scale electrodes and to have designed and simulated the first OR and AND molecules. This team had also introduced the concept of the unimolecular Hamiltonian computer.

**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: <http://www.pico-inside.org>

**Contact Person:**

*Dr. Antonio Correia*

*Phantoms Foundation*

*Parque Científico de Madrid – Pabellón - 1º Planta*

*Pabellón C, Ctra. Colmenar Viejo Km. 15*

*Campus de Cantoblanco-UAM, 28049 Madrid (Spain)*

*[antonio@phantomsnet.net](mailto:antonio@phantomsnet.net)*

*Fax: +34 91 497 3471*

*WEB site: <http://www.phantomsnet.net>*