

The workshop "Nanobiotechnology: Achievements and trends"



Dr. Hercules Pereira Neves

The workshop "Nanobiotechnology: Achievements and trends" was organized by *IMT-Bucharest* with support of the *European project ROMNET-ERA on May 4, 2004, in Bucharest (www.romnet.net)*.

During the workshop, subjects related to the collaboration in the domain of nanobiotechnology were discussed. The debate might increase the chances of participation to a European project to the FP 6. **Dr. Hercules Pereira Neves** from **IMEC (Belgium)** held a presentation on "*Interfacing with the biomedical world*".

The other presentations referred to perspectives in the domain of nanobiotechnology, results and methods of obtaining biocompatible and bioactive nanostructures and other materials for biological and biotechnological applications.

The event gathered 55 participants interested in the nanobiotechnology domain, from national institutes, institutes of the Romanian Academy universities, hospitals.



ROMNET-ERA Project
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Project Coordinator
IMT-Bucharest

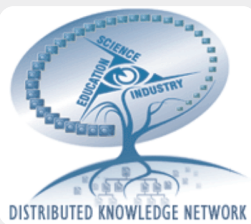
Organises

Workshop

**"Nanobiotechnology:
Achievements and trends"**

Library Hall of the Romanian Academy
May 4, 2004, 9.00

Details: www.romnet.net



FOCUS on NANOPOLIS : www.nanopolis.net, iMediasoft Group, 30th May 2004

The **iMediasoft Group** announces **significant developments to the Nanopolis project, Distributed Knowledge Network in Nanoscience and Engineering**

Emerging from a seven-year long cooperation of the iMediasoft Group with leading European scientific institutes, Nanopolis targets the challenge of mirroring in real-time and stimulating the interactions of the Education-Science-Industry Ecosystem. At the core of Nanopolis is educational content covering over 4000 subjects from the three domains of matter exploration at the atomic scale: synchrotron light, neutrons and nanotechnology. Currently distributed as a three-volume encyclopedia series, the content will be available via an e-learning system by the end of 2004.

The initial partners of the project, the European Synchrotron Radiation Facility (Grenoble, FR) and the Institute Laue Langevin (Grenoble, FR), have been joined in past years by the major leaders of the two communities: from the American Photon Source to the Canadian Light Source in the synchrotron world to ISIS and GKSS in the neutronics world. The most recent partnership with the Hahn-Meitner Institute reinforces the position of the Exploring Matter with Neutrons encyclopedia as the only multimedia encyclopedic reference in the neutronics world. Similarly, more than 200 research groups joined the third volume: Exploring Nanotechnology. In partnership with NSTI, the organization of the Nanopolis Virtual Showcase at Nanotech 2004, Boston, the largest Nanotechnology Conference and Tradeshow, was a successful opportunity to involve the 1500 attendees in the project's Distributed Knowledge Network.

The recent developments back the decision of the iMediasoft's board to continue the development of Nanopolis as an independent spin-off of the iMediasoft Group. True to its international vision of a knowledge-based society, the iMediasoft Group chose Santa Clara and Bucharest as the two development centers of the new entity. The Santa Clara unit will focus on developing partnerships with American academia and industry. The partnerships will aim at including Nanopolis educational content into university curriculums and the development of foresight oriented projects. Nanopolis Romania will focus on scientific analysis and content synthesis. The core scientific analysis team created recently in Bucharest and the accelerated development of the Exploring Nanotechnology encyclopedia show the huge potential for future cooperation with the Romanian physicist's resources.

✓ **iMediaSoft Group (France, UK, Romania)** is partner to the **ROMNET-ERA consortium** (a Specific Support Action for Associate and Candidate Countries)

27th Edition of INTERNATIONAL SEMICONDUCTOR CONFERENCE

The **27th Edition of INTERNATIONAL SEMICONDUCTOR CONFERENCE**, October 4-6, 2004, Sinaia, Romania organized by IMT-Bucharest (Web: www.imt.ro/cas, Email: cas@imt.ro). During this conference will be held also two Workshop of the international projects:

✓ **PATENT** (*Design for Micro & Nano Manufacture*; Coordinator – University of Lancaster, UK; **Dr. A. Richardson** a.richardson@lancaster.ac.uk)

✓ **WAPITI** (*Waferbonding and Active Passive Integration Technology and Implementation*, Coordinator - Fraunhofer Institute for Telecommunications, Heinrich Hertz-Institute, Berlin, Germany; **Dr. Helmut Heidrich** Helmut.Heidrich@hhi.fraunhofer.de)

First NEXUS IP and NoE Meeting, Brussels, 14-15 June 2004

Coordinators and major work package leaders for the funded IST and NMP Integrated Projects and **Networks of Excellence** will all meet together in Brussels on 14-15 June 2004. Representation is expected from twelve projects, with themes of sensors, flexible interconnects, RF communications and MEMS design.

The projects that have confirmed their presentations are: **AMICOM, GOODFOOD, GOSPEL, HEALTHY AIMS, PATENT Dff, MIMOSA, MASMICRO, PLASMA NANO DEVICES, SENSATION and SHIFT**. We are still awaiting final confirmation from **FLEXIDIS and POLYAPPLY**. The majority of the projects at this first meeting are from IST as many NMP projects are still under negotiation. More NMP projects will be presented at future meetings.

Additional coordinators and partners in Micro and Nano IPs and NoEs who would like to be present at this meeting are invited to attend. Registration can also be done through the NEXUS web www.nexus-mems.com.

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<http://www.mstnews.de/Homepage>

mstnews is a bi-monthly journal for the **Micro and Nano community worldwide**.

The aim is to disseminate information on world-wide developments in micro and nano technologies, focusing on the integration of different technologies in complex, miniaturized systems.

Current Topics 2/04: Micro-Production Technologies (April 2004)

Coming Topics 4/04: Micro- and Nano-Materials (August 2004). Deadline for short news and advertisements: July 12, 2004.