



Semiconductor Conference (CAS 2005) (www.imt.ro/cas)

The 28th edition of the **International Semiconductor Conference (CAS 2005)** will be held between 2nd of October and 4th of October 2005 under the aegis of the IEEE-Electron Devices Society, Ministry for Education and Research, Romanian Academy, IEEE-Romania Section and Electron Devices Chapter.

The **main topics** are: Nanoscience and nanoengineering; Microoptics and microphotonics; Micromachined devices and circuits for microwave and millimeter wave applications; Micro and nanotechnologies for transducers, interfaces and microsystems; Micro and nanotechnologies for biomedical and environmental applications; Novel materials and intelligent materials; Power devices and microelectronics (including CAD).

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CAS 2005 will take place in the mountain resort Sinaia, Romania and the program will consist in contributed (structured in oral or poster sessions) and invited papers.

This year invited speakers are: **Dr. Mauro Fernandes Pereira**, NMRC, University College Cork ("Microscopic Theory for Intersubband Optics"), **Prof. Stepan Lucyszyn**, Imperial College London ("C60AT's Nanowhisker for Quiet Millimetre-Wave Detectors"), **Dr. K. Zekentes**, FORTH, Heraklion ("4H-SiC Pin Diodes for Microwave Applications"), **Dr. Ciprian Ilescu** ("Wet Etching of Glass"), Institute of Bioengineering and Nanotechnologies, Singapore. **Prof. G.A.J. Amarutunga**, University of Cambridge ("Nanotube and Nanowire Transistors").

Two important events, in connection with CAS, will precede the conference:

- **2nd AMICOM Summer School**, Sinaia, Romania, 28.09- 1.10.2005, organized by FP6 NoE "Advanced MEMS for RF and Millimeter Wave Communications-AMICOM" (<http://www.amicom.info>). The first day is dedicated to "Introduction in RF, for those from a processing background" and the second day to "Introduction to Processing, for those from an RF background". The rest of the lectures will be focused on RF MEMS and "Vision for the future". Participants outside AMICOM are welcome.

- **Micro and nanotechnologies and Multifunctional Materials for Life quality and Industry applications Workshop**, Sinaia, Romania, 30. 09. 2005, organized by FP6 NoE "Multi Material Micro Manufacture: Technology and Applications-4M" (<http://www.4m-net.org>)

EUROGREENPOL - The First Summer School on Green Chemistry of Polymers

The First Summer School on Green Chemistry of Polymers, will be organized on August 21-27, 2005 in Iasi by the "**Petru Poni**" **Institute of Macromolecular Chemistry Iasi**, Romania (www.icmpp.ro), under the auspices of UNESCO Regional Bureau for Science in Europe (ROSTE). This Summer School is a training course for young chemists.
Project Manager: Dr. Gabrielle Charlotte Chitanu, chita@icmpp.ro.

Partners/Institutions:

Faculty of Sciences, Venice (Italy), "**H. Heine**" **Universität Düsseldorf (Germany)**, **University of Angers, (France)**, **University of Helsinki, (Finland)**, "**Al. I. Cuza**" **University Iasi (Romania)**, **Politechnika Krakowska, Krakow, (Poland)**, **Politehnica University Bucharest (Romania)**, **Centre of Polymer Chemistry, PAN, Zabrze (Poland)**

Scientific Topics:

- Introduction to Green Chemistry;
- Introduction to Polymer Science;
- Catalytic Reactions in Liquid Multiphasic Systems;
- Green Methods in Polymer Chemistry: Use of Cyclodextrins and Microwave Irradiation;
- New Clean Methods in Polymer Synthesis and Transformations;
- Polymers for Environment Protective Applications (photovoltaic cells);
- Recycling of Polymeric Materials under Microwave Irradiation;
- Water Soluble Polymers for Environmentally Benign Applications;
- Polymer Electrolytes for Fuel Cells;
- Polymer Waste Degradation and Recovery;
- Synthetic Analogues of Biopolyesters for Green Chemistry.

EuroNanoForum 2005 - Europe's Premier Nanomedicine Conference of 2005

Nanotechnology and the Health of the EU Citizen in 2020 5th-9th September, Edinburgh, Scotland (<http://www.euronanoforum2005.org>)

The conference will showcase European developments in nanosciences and nanotechnology for medical applications - bringing together many disparate disciplines with a focus on healthcare.

Now with 87 experts from 25 countries speaking over the 5 days, EuroNanoForum2005 is set to be the biggest nanotechnology conference of Europe in 2005, attracting an audience of 1000 delegates.

EuroNanoForum2005 is the conference to attend in 2005 if you want:

- An understanding of advanced medical technologies that have numerous applications in a variety of industries including defence, textiles, ICT and many others.
- Insights into applications applicable to the developing world and the ageing population.
- Indicators of new business opportunities and threats.
- Networking opportunities as part of our social programme, such as the gala dinner, ceilidh and civic reception.
- To be at the forefront of the debate into ethics and toxicology issues surrounding nanotechnology

EuroNanoForum2005 bridges the gap between forecast demands of the market and the potential applications of new technology allowing you to advise and influence key figures in the healthcare industry.

MINAEAST-NET project

Micro and Nanotechnologies going to EASTern Europe through NETworking EU Contract no.: 510470 (SSA in FP 6)

Project coordinator: National Institute for R&D in Microtechnologies (IMT-Bucharest)

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The purpose is to contribute to a better communication of MNT scientific communities from Eastern Europe to the rest of the world. MNT Bulletin is distributed free of charge to interested organisations and individuals. The Bulletin is also available on the web page: www.imt.ro/mnt.

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