

MNE 2010

36th International Conference on

Micro & Nano Engineering

GENOVA (Italy) - 19-22 September 2010

www.mne2010.org



36th International Conference on Micro&NanoEngineering

Genova, 19-22 Settembre 2010

Giunta alla sua 36a edizione, la Conferenza MNE torna in Italia dopo oltre dieci anni per riunire secondo la sua consuetudine, gli enti, le aziende, i ricercatori e gli esperti di nanotecnologie di tutta Europa e proporsi come un evento di punta nel panorama della Nanoingegneria, gemellato con le *sister conferences* di Asia e Usa.

La Conferenza, organizzata in collaborazione con

- CNR – Consiglio Nazionale delle Ricerche
- IIT – Istituto Italiano di Tecnologia e
- NNL – National Nanotechnology Laboratory,

ha inoltre ottenuto il supporto di alcune importanti realtà italiane, tra i quali si annoverano soggetti istituzionali quali l'Università del Salento, la Scuola Superiore ISUFI – Nanoscience & Grid Computing, FAST – Federazione Federazione delle Associazioni Scientifiche e Tecniche, Veneto Nanotech e NanotechIT.

HIGHLIGHTS

Key Note Speakers

- **Robert S. CHAU**, Intel-USA | Future high-speed and low-power Nanoelectronics
- **Peter FROMHERZ**, Max Planck Institute - Germany | Semiconductor chips for neuronal interfacing
- **Bruno MURARI**, STMicroelectronics - Italy | MEMS: from Jewel to Consumer Product
- **Susumu NODA**, Kyoto University – Japan | Recent Progress in Manipulation of Photons by Photonic Crystals
- **Kurt RONSE**, IMEC-Belgium | Progress and challenges of ArF and EUV lithography for sub-32nm node scaling
- **Urs STAUFER**, University of Delft – NL | Scanning Force Microscopy on Mars

Preliminary list of Invited Speakers

- **Stefano Cabrini**, Lawrence Berkeley National Laboratory – USA | Nano-manipulating Light by Plasmonic Antennas
- **B.J. Kampherbeek**, MAPPER Lithography, NL | MAPPER: High Throughput Maskless Lithography
- **Thomas F Krauss**, University of St Andrews – UK | How to make high performance photonic crystal waveguides
- **Arto Nurmikko**, Brown University – USA | Listening to Brain Microcircuits - Progress in Wireless Implantable Microelectronic Neuroengineering Devices
- **Ioannis Raptis**, Institute of Microelectronics, NCSR 'Demokritos' – Greece | Monolithically integrated photonic lab-on-a-chip platform for chemical and biological applications
- **Rob van Schaijk**, IMEC Holst Center – NL | Micromechanical vibration energy harvesters
- **Andrea C. Ferrari**, University of Cambridge – UK | Nanotechnology with graphene, nanotubes and diamond-like carbon
- **Diane Huffaker**, University of California Los Angeles – USA | III-V Nanostructures for High-Efficiency Solar Harvesting
- **Carlo Ricciardi**, Politecnico di Torino – Italy | BioMEMS for Food Safety Diagnostics
- **Joachim Fischer**, Karlsruhe Institute of Technology – Germany | Towards diffraction-unlimited 3D direct-laser-writing lithography

DEADLINES



- **Extended Abstract Submission: 15 June 2010**
- **Notification to authors: 19 July 2010**
- **Early registration: 9 August 2010**
- **On-line registration: 12 September 2010**
- **MNE Conference: 19-22 September 2010**

Info www.mne2010.org

Organizing Secretariat **MNE2010 - CNR-PSC** - secretariat@mne2010.org

Ph. +39 010/6598773 | Fax: +39 010/6598777 |

