

Second Conference on Microelectronics Microsystems and Nanotechnology, MMN 2004

Athens, Greece, 14-17 November 2004

Topics : **Micro and Nano- fabrication and processing, Materials; Devices (CMOS devices, devices based on compound semiconductors); Quantum devices and molecular electronics; Micro and Nanosystems; IC design;**

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<http://www.imel.demokritos.gr/MMN2004/>

Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS -DTIP-

Hotel Eden au Lac, Montreux, Switzerland, 01-03 June 2005

Sponsored by: TIMA Labs; IEEE Computer Society; Test Technology Technical Council; IEEE Components, Packaging and Manufacturing Technology Society; The Institute of Electrical and Electronics Engineers, Inc.

In cooperation with: IEEE Circuits and Systems Society

Chair: B. COURTOIS, TIMA Labs, Grenoble, France; Co-Chair: K. MARKUS, Zeus Strategies, LLC, Durham, USA

This Symposium is a unique single-meeting event expressly planned to bring together participants interested in manufacturing microstructures and participants interested in design tools to facilitate the conception of these microstructures. A special emphasis will be put on the very crucial needs of MEMS/MOEMS in terms of packaging solutions. The goal of the Symposium is to provide a forum for in-depth investigations and interdisciplinary discussions involving design, modeling, testing, micromachining, microfabrication, integration and packaging of structures, devices, and systems.

- CAD, Design and Test Conference

Chair: G. WACHUTKA, Munich Univ. of Technology, Germany; **Co-**

chair: J.M. KARAM, MEMSCAP, Bernin, France

- Microfabrication, Integration and Packaging Conference

Chair: E. JUNG, IZM, Berlin, Germany; **Co-chair:** M. ESASHI, Tohoku Univ., Japan

Dates Submission of abstracts: 12 November 2004 Notification of acceptance: 14 January 2005

For more details web:

<http://tima.imag.fr/conferences/dtip/DTIP2005/Index.html>

Training in Microsystems on CD-ROM "World of Microsystems" 2nd edition (<http://www.mib.ch/microsystems>) Multimedia tool for self study, tutoring, promotion and dissemination of microsystems technology.

Manufacturing Processes for MEMS 08-09.11.2004, Neuchâtel (CH);

Piezoelectric MEMS for RF and Ultrasonic Applications 11-12.11.2004, Munich (DE);

Porous Silicon 15.11.2004, Zurich (CH);

Dry Etching - Techniques and Applications 18.11.2004, Lausanne (CH);

RF MEMS 19.11.2004, Stockholm (SE);

Nanotechnology - Imaging and Engineering at the Nanoscale 23-24.11.2004, Roma (IT);

Sensors in Household Applications (NEW) 29-30.11.2004, Neuchâtel (CH);

Laser Diode Microsystems 29-30.11.2004 Freiburg (DE);

Micro-Optics 02-03.12.2004 Zurich (CH);

Handling and Assembly of MOEMS (NEW) 06-08.12.2004, Neuchâtel (CH);

Photonic Microsystems 13-14.12.2004 Zurich (DE);

Characterization and Modification of Micro- and Nano-structures 13-14.12.2004 Eindhoven (NL);

Photonic Microsystems 13-14.12.2004, Zurich (CH)

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Press Release



European Commission to invest 6.2 M€ into "Design for Micro & Nano Manufacture" Initiative over 4 Years Berlin, Germany 3 Sep 2004: A "Design for Micro & Nano Manufacture (PATENT-DfMM)" Network of Excellence (NoE) has been launched in January 2004 and will be funded by the European Commission's Information Society Technologies programme (IST - unit C2) for 4 years. The project, based on the excellence of its 24 mostly academic partners, aims to address the underlying engineering science to ensure that problems affecting the manufacture and reliability of products based on micro & nano technologies (M&NT) can be addressed before prototype and pre-production.

For more information:

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6th Workshop NANOSCIENCE & NANOTECHNOLOGY

Sofia, Bulgaria, November 24-27, 2004

including

The Exploratory Workshop on New Materials Impact on the Solar Hydrogen Energy Conversion Cycle (November 26, 2004) and **The 3rd COSENT Annual Meeting** (November 27, 2004)

organized by: *The National Expert Council on Nanotechnology*, Bulgaria, www.bas.bg/nano and *The COSENT Consortium*, www.cosent.dir.bg

The scientific program consists of: • Plenary and review lectures • Short oral presentations • Poster contributions • Exhibitions of developed technologies or products and cover the following topics:

• Modelling and computer simulation; • Novel processing technologies; • Magnetic, electric, optical, and electronic properties and devices; • Chemical properties and applications; • Mechanical properties and applications; • Bioinspired concepts and medical applications

"Applications of NanoBiotechnologies to the Development of Biochemical sensors and biochips for exposure assessment to chemicals" 6-7 December 2004

EC Joint Research Centre, Ispra, Italy, Workshop 6-7 December 2004

This workshop is organized by the Joint Research Centre (JRC) with the participation of experts from the New Member States and Associated countries.

The focus is on *the application of nanobiotechnology to sensors (biosensors, cell on chip) for Health applications, including exposure assessment to chemicals and toxicology studies*. Current status and future applications of biosensors and biochips in fields such as molecular diagnostics, drug discovery and delivery, biomedicine, toxicology, exposure assessment to chemicals will be addressed.

For more details:

<http://www.jrc.cec.eu.int/enlargement/action2004/ihcp-w09.doc>

International Congress of Nanotechnology 2004,

Oakland Convention Center, Oakland (San Francisco) USA, November 8-11, 2004. International Congress of Nanotechnology and Nano World Expo 2004, the premier scientific conference focusing on Nanoscience and Nanotechnology. The 2004 Conference Theme: Bridging to the Next Frontier

CONFERENCE TOPICS: Nanomaterials, Nanodevices, Nanoelectronics, Nanobiotechnology, Nanomedicine, Bio-Defense, Nano Tools, Molecular Engineering, Nano Manufacturing, Nano Toxicology, FDA and EPA Regulations, Societal Environmental and Health Safety Implications, IP and Technology Transfer, Venture Capital Investment, Research Collaboration, Business Joint Venture, and other related topics.

Web site: <http://www.nanotechcongress.com>



Micro and NanoTechnology Bulletin is published quarterly by IMT-Bucharest, Romania (www.imt.ro). This Bulletin, originally intended to publicize **results of Romanian researchers in the micro and nanotechnology (MNT) field**, is extending its coverage since 2004 to Eastern Europe.

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.

Contributions and correspondence may be sent to mnt@imt.ro.

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