

**42<sup>nd</sup> International Conference on Microelectronics, Devices and Materials – MIDEM 2006 and joint Workshop on MEMS and NEMS**



42<sup>nd</sup> International Conference on Microelectronics, Devices and Materials is maintaining the tradition of successful annual international meetings organized by MIDEM - Society for Microelectronics, Devices and Materials, 13-15 September 2006, Hotel Svoboda, Strunjan, Ljubljana, Slovenia.

This year, 55 regular papers and seven invited presentations, in conference five sessions and in joint workshop on MEMS and NEMS, were presented.

The conference presentations were grouped in the following sessions:

- Device Physics, Modeling and Technology
- Thick and Thin Films
- Electronics
- Optoelectronics
- Integrated Circuits

Joint workshop was this year devoted to the advancement of high technologies in the field of Micro/Nano-Electro-Mechanical Systems (MEMS and NEMS). Six invited and nine regular speakers presented the selected topics covering design, simulation, fabrication and testing of different types of sensors, actuators and other structures, fabricated in MEMS and NEMS technologies. Workshop was this year organized by LMSE - Laboratory of Microsensor Structures and Electronics, Faculty of Electrical Engineering, UL, Ljubljana.

Following invited papers were presented:



- M. Pizzi, V. Konyachkine, V. Lambertini, N. Li Pira, M. Paderi, L. Belforte, M. Pacifico - Centro Ricerche Fiat, Orbassano, Torino, Italy. "MEMS/NEMS Technologies at Centro Ricerche FIAT"
- S.Kolb - Infineon Technologies AG, Munich, Germany. "MEMS Products and MEMS Technologies for Automotive Applications at Infineon".
- D.Mihailoviæ - Jozef Stefan Institute and Postgraduate School, Ljubljana,

Slovenia. "MoSix Nanowires: a User-Friendly New Nano-material for Nanosensors and NEMS"

- Kris Baert, Chris Van Hoof - IMEC, Heverlee, Belgium. "Integrated Microsystems"
- Androula G. Nassiopoulou - IMEL/ NCSR Demokritos, Athens, Greece. "Porous Silicon for Sensors and On-chip Integration of RF Components"
- Ciprian Iliescu - Institute of Bio-engineering and Nanotechnology, Singapore. "Microfluidics in Glass: Technologies and Applications"
- W. Brenner, F. Suemecz, D. Andrijasevic, I. Giouroudi, K. Malecki - Institute of Sensor and Actuator Systems ISAS, Vienna, Austria "Advanced Methods and Tools for Handling and Assembly in Microtechnology"

A European Approach in the Frame of The FP6 Marie Curie Research Training Network Assemic

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app. (approximately of 400 pages) was published prior to conference, organized similar as previous years.

A presentation of MINOS and MINAEAST projects for all conference and workshop participants was given by Prof.Slavko Amon and Mag. Matej Mozek from LMSE (look photo bellow).



**Ljubljana, September 2006, Prof. Slavko Amon**

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LMSE - Laboratory of Microsensor Structures and Electronics, Faculty of Electrical Engineering, University of Ljubljana, Slovenia

**The National Photonics Workshop Koç University, Istanbul, Turkey**

The National Photonics Workshop took during the 15th of September 2006 place for the eighth consecutive year. This year the turn had come to Istanbul and Koç University. Most major Turkish universities are represented, as well as few major national research institutes and Boston University. The main activities were scientific talks and poster presentation within the broad spectrum of photonics and covered such fields as sensors, electro-optic materials and measurement technology.

There is most definitely a large overlap between the field of MNT and that of photonics which made the presence of MINOS called for.

Homepage: <http://fotonik2006.ku.edu.tr>

Information about MINOS-EURONET project were presented to the participants of this event by the local contact from Koç Universitesi. MINOS-EURONET is represented in Turkey by Koç University and the Optical Microsystems Laboratory. Contact information below.

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**Selim Ünlü from Boston University.**