

International Semiconductor Conference 2006

the 29th edition, Sinaia, Romania.

The 2006 **International Semiconductor Conference** (CAS 2006) took place in the mountain resort Sinaia, Romania, between 27th and 29th of September, 2006.

The conference was the 29th of an annual sequence and the 16th edition with international participation. Starting with 1995, the conference has been an IEEE event, being sponsored by the **IEEE Electron Devices Society**. CAS 2006 was also sponsored by **Ministry for Education and Research**, the **IEEE - Romania Section** and the Electron Devices Chapter and also held under the aegis of the **Romanian Academy** as well as under aegis of the Electrochemical Society, Inc., including the European Local Section of the Electrochemical Society, Inc.



Invited speaker **Robert Plana**, LAAS CNRS, Toulouse, France, presenting the paper "Miniaturized Wireless Sensors"

The conference has a web page (www.imt.ro/cas) and every year launch a Call for papers with specific topics. The **Conference profile has been gradually extended** from semiconductor device physics and technology to **micro- and nanotechnologies**. This **year topics** were: *Nanoscience and Nanoengineering; Microphotonics; Advanced Microwave Devices and Circuits; Microstructures for bio & medical applications; RF MEMS & NEMS; Microsensors; Physics of Materials; Advanced Device Structures; New Materials for Semiconductor Devices; Modeling; Integrated Circuits; Devices & IC: Modeling and Simulations.*

All the invited and contributed papers presented at the conference were published in the CAS Proceedings, an ISI proceedings, delivered to the participants at the beginning of the conference. The quality of papers accepted for publication in the Proceedings is guaranteed by the evaluation made by referees (including members of the International Advisory Committee and of the Technical Program Committee).

The invited speakers of CAS 2006 edition were: *Dr. Francis Tay (Inst. of Bioengineering and Nanotechnologies, Singapore), Prof. Ettore Napoli (University of Naples "Federico II", Napoli, Italy), Dr. Horst-Gunter Rubahn (Fysisk Institut, Syddansk Universitet, Denmark), Prof. Robert Plana, (LAAS CNRS, Toulouse, France), Dr. Emanuel Popovici (Department of Microelectronic Engineering, National University of Ireland, Cork) Dr. Kabula Mutamba, (Technische Hochschule Darmstadt, Germany), Dr. Saurabh Sinha, (University of Pretoria, South Africa).*



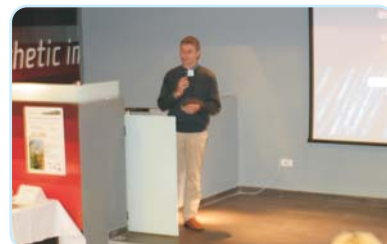
Loukas Michalas receiving award for the best student paper for the paper "Temperature Analysis of Poly-Si TFTs Transfer Characteristics", authors: L. Michalas¹, G.J.Papaioannou¹, D.N.Kouvatsos², A.T.Voutsas³, 1 Univ of Athens, Greece, 2 NCSR "Demokritos" Athens, Greece, 3 LCD Process technology Lab, Camas, USA

CAS 2006 displayed a total number of 103 papers (96 regular and 7 invited) structured in oral sessions, with 51 presentations, and poster sessions with 25 presentations. The authors were from 17 countries on 3 continents: Europe, Africa and Asia.

The conference brings together 13 scientists from prestigious research centers (LAAS Toulouse, EPFL Lausanne, FORTH Heraklion, Inst. of Bioengineering and Nanotechnologies, Singapore, Inst. for Microelectronics, Wien, Inst. of Solid State Physics, Sofia, Tyndall Cork.), universities (Cambridge, Darmstadt, "Politehnica" Bucharest, Imperial College, Delft, Athens, Syddansk Universitet, Denmark, "Transilvania" Brasov, Novi Sad, Napoli, Cork), from industry (GME mbH Munchen, Germany, EV Group, St. Florian, Austria) and also from European Patent Office, Berlin, Germany.

A special session was dedicated to the student papers and the best papers presented were awarded by IEEE Romania section.

In 2007 the conference, at its 30th edition, will be held between 15th and 17th October, in Sinaia, Romania. June 10th is the deadline for submission of contributed and invited papers. For more information see: <http://www.imt.ro/cas>



Invited speaker **Horst-Gunter Rubahn**, Fysisk Institut, Syddansk Universitet, Denmark, presenting the paper "Novel Optical Nanosensors on the Basis of Organic Nanofibers"



Invited speaker **Saurabh Sinha**, University of Pretoria, South Africa presenting the paper "CMOS ECG, EEG and EMG Waveform Bio-Simulator"



Invited speaker **K. Mutamba**, Technische Hochschule Darmstadt, Germany, presenting the paper "Technology of Wide-Bandgap Diode Structures for High-Frequency Operation"



Invited speaker **Ettore Napoli**, University of Naples "Federico II", Napoli, Italy presenting the paper "Deep Depletion SOI Power Devices"