

The 30<sup>th</sup> edition of International Semiconductor Conference (CAS 2007)

In 2007, the **International Semiconductor Conference (CAS 2007)** celebrates the 30th edition and took place in the mountain resort Sinaia, Romania, between 15<sup>th</sup> and 17<sup>th</sup> of October.



Participants from CAS 2007 poster session

The conference was the 30th of an annual sequence and the 17<sup>th</sup> edition with international participation. Starting with 1995, the conference has been an **IEEE event, being sponsored by the IEEE Electron Devices Society**. CAS 2007 was also sponsored by **Ministry for Education, Research and Youth**, 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.

The conference has a web page ([www.imt.ro/cas](http://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 nano-technologies**. This year topics were: Nanoelectronics; Microphotonics; Advanced Microwave Devices and Circuits; Microsystem technology; RF MEMS; Advanced Materials; Materials for Micro and Nano Scale; Advanced Device and Structures; Devices & IC; Low power, High Speed Analog ICs

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).

Among the invited speakers of CAS 2007 edition were: Prof. J.P. Colinge (Tyndall National Inst., Cork, Ireland), Prof. Rafael Clerc (IMEP, Minatec, Grenoble, France), dr. A.M. Ionescu (EPFL Lausanne, Switzerland), Prof. S Hall (Univ. of Liverpool, UK), Dr. M Dumitrescu (Tampere Univ. of Technology, Finland), Prof. Robert Plana, (LAAS CNRS, Toulouse, France), Prof. Luisa Torsi (Univ. degli Studi di Bari, Italy.), Prof. S Cristoloveanu (CNRS-INPG-UJF, Grenoble, France), Prof. N Barsan, (Inst. of Physical and Theoretical Chemistry, Tübingen, Germany), Prof. G.A. J. Amaratunga (Cambridge University, United Kingdom).



Invited Speaker: Prof. J.P. Colinge  
Tyndall National Inst., Cork, Ireland

**CAS 2007 displayed a total number of 132 papers** (120 regular and 12 invited) structured in oral sessions, with 64 presentations, and poster sessions with 68 presentations. The authors were from 16 countries on 3 continents: Europe, America and Asia.

The conference brings together scientists from prestigious research centers (LAAS Toulouse, EPFL Lausanne, FORTH Heraklion, Inst. of Bioengineering and Nanotechnologies, Singapore, Tyndall Cork.), universities (Cambridge, Tampere, "Politehnica" Bucharest, Imperial College, Delft, "Transilvania" Brasov, Novi Sad, Napoli, Cork, Torino, Bari), from industry (Infineon Technologies Romania, Catalyst Semiconductor Romania, ATC ROM, Microchip Development Romania, Infineon Technologies Austria, Catalyst Semiconductor Inc., USA, Arteos GmbH, Germany).

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

Two important events, in connection with CAS took place:



Participants from NADE Colloquium

• On 14<sup>th</sup> of October, the IEEE EDS full day event **"IEEE EDS Mini-Colloquium NADE –Nanoelectronic Devices – Present and Perspectives"** took place. Officials from IEEE Region 8 and other word level scientists have participated.

• On 17<sup>th</sup> of October the FP6 Integrated Project **INTEGRAMplus** organized **"INTEGRAMplus CAS Workshop: Silicon / Polymer Microsystems for Life Sciences"**. The workshop was focused on background to microfluidics, biosensing and bio-MEMS; design tools and services for MEMS, microfabrication and integration techniques and what the specific INTEGRAMplus technology can offer, according to the project's service offer.

**In 2008 the conference, at its 31<sup>st</sup>**



Participants from INTEGRAM workshop

**edition**, will be held between 13<sup>th</sup> and 15<sup>th</sup> October, in Sinaia, Romania. June 1<sup>st</sup> is the deadline for submission of contributed and invited papers. Future information on: project web page: [www.integramplus.com](http://www.integramplus.com)

Contact: [cas@imt.ro](mailto:cas@imt.ro). Future information on web [www.imt.ro/cas](http://www.imt.ro/cas)