

**CAS 2004- INTERNATIONAL SEMICONDUCTOR CONFERENCE**

27th Edition, October 4-6, 2004, Sinaia, Romania

**7 Presentation of General Chairman Dan Dascalu - IMT-Bucharest, Romania: "CAS Conference: From Semiconductors to Micro- and NanoTechnologies" Features - Organising CAS 2005**

E-tool used for CAS activities

- Publication of extended versions from CAS 2004
- Evaluating the papers for CAS 2005

**Advantages:** Involving more foreign specialists both in evaluation and in assembling the programme and Speeding up the process



**CAS Satellite events**

These events are benefiting from the CAS logistics, are organized in the same place, in the same time period. They are announced in the CAS brochure (they are not included in CAS Proceedings) and are usually open to CAS participants with no extra charge. We have an extreme variety: scientific workshops, information and awareness events, courses or just projects meetings.

**Scientific workshops:** "SAW components on piezoceramics substrates" in the framework of the NATO for Peace Project and "Synthesis, properties and characterization of materials. Application in sensors", (with the support of the virtual Centre of Excellence on Nanobiotechnologies, CENOBITE, financed from the Romanian programme MATNANTECH), both on **CAS 2003**

**Coupled events:**

- ♦ **CAS 2002 - Micromechanics Europe 2002 (MME' 02)**, with IMT as organiser was coupled with CAS 2002 and its satellite events: **The micro and nanotechnology week** (6 - 12 October 2002). At its 13th edition (2002), MME reached for the first time Eastern Europe.
- ♦ **CAS 2003- First NanoForum** (Cientifica, Madrid et. al. with IMT as local organiser) was coupled with CAS 2003 and its satellite events: **The micro and nanotechnology decade** (28 September - 7 October 2003).

**A success story starting in Sinaia**

- ♦ **First MEMSWAVE workshop** (CAS 1999). The name of the EU RTD project MEMSWAVE (in RF MEMS)
- ♦ Second edition (CAS 2001), reporting successful conclusion of the project and bringing in new people
- ♦ **Nomination for the Descartes Prize**
- ♦ **Partnership with LAAS - Toulouse**
- ♦ **The AMICOM network of excellence in FP6** and the international career of MEMSWAVE
  - ♦ Third edition (Heraklion, 2002),
  - ♦ Fourth edition (Toulouse, 2003)
  - ♦ Fifth edition (Uppsala, 2004), already an AMICOM activity (NoE in FP6)

**CAS 2004 sessions for Romanian Journal of Information Science and Technology (ROMJIST) issues:**

- ♦ **MODELING SIMULATION & DESIGN**
- ♦ **IC's & DESIGN**
- ♦ **HARDWARE SOFTWARE CO-DESIGN FOR INTELLIGENT SYSTEMS (REASON)**

**CAS 2004 sessions for Micro and Nanoengineering (MNE) series of volumes:**

- ♦ **NANOSCIENCE AND NANOENGINEERING**
- ♦ **MICROWAVE & RF MEMS**
- ♦ **MICROPHOTONICS**
- ♦ **MICROSENSORS**

**CAS 2004- Satellite Events**



Ingrid de Wolf (IMEC Leuven) presenting "RF-MEMS reliability research at IMEC"

**Workshop organized by the Reliability Cluster of the NoE "Design for Micro & Nano Manufacturing - PATENT-DfMM" (IST/FP6)**

The first Patent WP3 workshop was organised in Sinaia (Romania), October 8, 2004, by IMT-Bucharest. The purpose of this workshop was to exchange information on various scientific subjects linked to the reliability and caharacterisation of micro and nano systems



- ♦ **Scientific Session** with contributions from members of the Reliability Cluster; topics on MEMS: failure modes, test structures, reliability testing, design rules, etc.
- ♦ **Regular Meeting** of the Reliability Cluster.

From left to right: Claude Pellet (IXL Bordeaux), Alain Bosseboeuf (IEF Paris), Virgil Ilian, Marius Bazu and Lucian Galateanu (all from IMT Bucharest), Hoc Khiem Trien (Fr.IZM Duisburg).

**Workshop organized by the WAPITI Project - Waferbonding and Active Passive Integration Technology and Implementation - STREP/FP6 IST:**

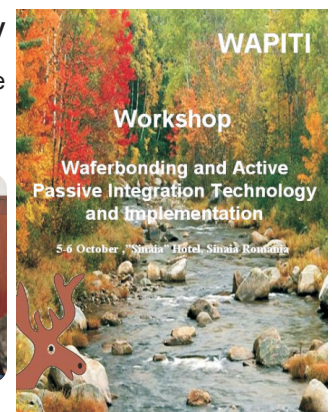
The first WAPITI workshop was held in Sinaia, Romania, on 5-6 October 2004, in connection with The International Semiconductor Conference (an IEEE event).

The Workshop included two scientific sessions organized in connection with CAS:



- ♦ poster session (topics: optical communications, integrated optics, MOEMS, microphotronics)

- ♦ oral session with contributions of the partners (results and state of art in the field of the project)



The first project meeting - participants from Fraunhofer Institute for Telecommunications-Heinrich Hertz-Institut, Germany; University of Athens- Optical Communications Lab., Greece; Cambridge University, UK; EV Group, E. Thallner GmbH, Austria; Max Planck Institute of Microstructure Physics, IMT Bucharest, Romania)

