

CAS 2002

The 25th edition International Semiconductor Conference (CAS'2002), an annual IEEE event, organized by IMT-Bucharest, took place at the Sinaia Hotel (8-12 October 2002).

At its "silver jubilee", the Conference contained many sessions devoted to nanoscience and technology, MEMS, advanced materials etc. (apart from the traditional topic of semiconductor physics, semiconductor devices and microelectronics).



Thursday 10 October, 10 a.m. (Sinaia Hotel): Launching of the book "Micromachined Circuits for Microwave and Millimeter Wave Applications"

The book, edited by D. Dascalu, H. Hartnagel, A. Müller and R. Plana and published by the Romanian Academy in the Series in Micro and Nanoengineering, contains mostly (but not exclusively) extended versions of the papers presented in Sinaia in October 2001 at both CAS 2001 and MEMSWAVE



Workshop. The first MEMSWAVE Workshops (basically devoted to RF MEMS) were financed from European Project MEMSWAVE coordinated by IMT-Bucharest. It is worthwhile to note that this project has been nominated for the DESCARTES PRIZE 2002 of the European Union (for the best project illustrating the European cooperation). Following MEMSWAVE workshops: 2002 (Greece), 2003 (France).

Wednesday 9 October, 9 a.m. (Sinaia Hotel): Opening Plenary Session  
MICROSYSTEMS: VISIONS FOR 2010, A. El-Fatraty (photo), BAE SYSTEMS, Advanced Technology Centre, UK, & Vice Chairman of the NEXUS Association.



Wednesday 9 October, 3 p.m. (Sinaia Hotel): Plenary Session "Nanoscience and nanotechnologies"

NANOTECHNOLOGY IN THE EUROPEAN RESEARCH AREA,

Anne de Baas (photo), European Commission DG Research G2, Brussels, Belgium



PHANTOMS: NANOTECHNOLOGY NETWORK FOR INFORMATION PROCESSING AND STORAGE, A. Correia, A. Gil, CMP Cientifica S.L., (IST Nanoelectronics Network), Madrid, Spain.

1 CAS 2002 displayed a total number of 98 papers (86 regular and 12 invited). The authors are from 23 countries on 4 continents (18 countries from Europe, 1 from America, 3 from Asia; one paper comes from Australia). The quality of papers accepted for publication in the Proceedings was guaranteed by the evaluation made by 42 referees (including members of the International Advisory Committee and of the Technical Program Committee).

1 CAS 2002 was sponsored by IEEE Electron Devices Society, under whose authority the Proceedings was published, by the Ministry for Education and Research, by the IEEE - Romania Section and the Electron Devices Chapter.

1 The conference was 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.

A NEW PROJECT IN MATNANTECH (2002-2005)

A virtual centre of excellence  
Centre of Research in Nanobiotechnologies (CENOBITE)  
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The Centre of research in nanobiotechnology (CENOBITE) is a "virtual" centre of research based upon the strong cooperation and integration of activities of 10 Romanian research centres (research institutes, research groups from universities, small companies). These centres are active in biology, medicine, pharmacology, chemistry, biochemistry, physics, micro and nanotechnologies. The activity will be financed from MATNANTECH (a new project starting in October 2002), with an annual evaluation of results. The research topic is selected from the 6th Framework Programme of European Union, with nanobiomaterials included. CENOBITE is financing equipments, visits of foreign scientists in Romania and organization of scientific events. This project is complementary to the financing from the infrastructure projects (networks), which are focused mainly on multidisciplinary training (courses, short stages), exchange of information etc. The basic model used for conceiving CENOBITE are the Excellence Networks from the 6th Framework Programme (further details - available later).

Thursday 10 October, 10 a.m. (Sinaia Hotel): CAS 2002 Banquet

At CAS 2002 Banquet, the awards for the best papers of CAS 2001 were given by Prof. Adrian Rusu, Technical Program Chair.



Events organized by MATNANTECH (National Programme coordinated by the Faculty of Industrial Chemistry, University "Politehnica" of Bucharest) in cooperation with IMT-Bucharest:

1) An exhibition of posters (projects and participants in MATNANTECH) at the Sinaia Hotel (6-11 October);



2) A round table discussion: "The role of the national scientific networks in promoting international cooperation" (Sinaia Hotel, 10 October, 9 p.m.), including the official launching of the Centre of Research in Nanobiotechnologies (CENOBITE);



3) Poster sessions (CAS) on "nanoscience and technology" and "advanced materials", on 9th and 10th of October.