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PAPERS
MME '02

Special invited paper on FP 6

The 6th Framework Programme for European Research and the role of Microsystems and Micro@NanoTechnology in priority 2 (IST).

D. Beernaert, G. Roeseams, G. van Caenegem


The European Council of Barcelona (3/2002) has confirmed the importance of research and innovation policies and of developing a true European Research Area (ERA).

The objective of the ERA is to integrate the research efforts of relevant actors at all levels (national, regional and European) towards greater consistency, to improve the coherence and coordination of research and innovation activities and policies and to entail better linking of research with education, innovation and mobility of researchers and to stimulate private investment in RTD using all possible mechanisms and funds.


The main mission of the 6th Framework is to contribute to that vision. This means a wider scope and ambition for the 6th Framework than in the past. More vision, more strategic and global approaches, a shift from project-thinking towards 'initiative' thinking and the use of new instruments (integrated projects and networks of excellence) are needed.

Information Society related RTD in FP6: the vision of "ambient intelligence"

Research supported under priority 2 (IST) in FP6 will be all geared towards building the knowledge society for all and the realisation of the vision of an "ambient intelligence landscape" in which the technology is almost invisible, embedded in everyday objects, rendering accessible a multitude of services and applications through easy-to-use human interfaces.

• "SURFACE MODIFICATION AND MODULATION IN MICROSTRUCTURES: CONTROLLING PROTEIN ADSORPTION, MONOLAYER DESORPTION, AND MICRO SELF-ASSEMBLY," Karl Bohringer - University of Washington, Seattle, U.S.A




• "SOLID MICROMECHANICS RESEARCH AND CHALLENGES", Ken P. Chong, L. Sung, D.L. Ho, M.R. VanLandingham, NSF Washington, U.S.A


1 The Gala Dinner for MME'02 participants took place on Monday 7 evening, at the Foisor Castle.

1 A camera music concerto, was given (for both MME and CAS participants) by the CREDO quartet, in the Casino Hall, on Tuesday 8th of October.


• "TANGDELTA LIMITATIONS OF MILLIMETRE AND SUBMILLIMETRE WAVE MEMS", Hans Hartnagel - Darmstadt University, Germany




• "RF MEMS: STATUS AND PROSPECTS", L. Rabbia, M. Saadaoui, D. Dubuc, K. Grenier, P. Pons, L. Bary, R. Plana, IAAS - Toulouse, France



• "MEMS FOR WIRELESS COMMUNICATIONS: "FROM RF-MEMS COMPONENTS TO RF-MEMS-SIP"", Harrie A.C. Tilmans, Walter De Raedt, Eric Beyne - IMEC Leuven, Belgium



• "CHARACTERIZATION OF THE STATIC AND DYNAMIC BEHAVIOUR OF M(O)EMS BY OPTICAL TECHNIQUES: STATUS AND TRENDS", Alan Bosseboeuf, S. Petitgrand, Institut d'Electronique Fondamentale, Universite Paris-Sud, France




Cover of the MME 2002 Proceedings
The papers will be available on the web page www.imt.ro/MME by meed 2003

Special session MME-CAS
Tuesday 8 October, 7 p.m. (Casino Hall)



MINATEC: THE MICRO AND NANO-TECHNOLOGY INNOVATION CENTER, J.-C. Guibert, Deputy Director LETI, CEA-MINATEC-LETI, Grenoble, France.



MATNANTECH: NATIONAL PROGRAMME OF RESEARCH "NEW MATERIALS, MICRO- AND NANOTECHNOLOGIES", Antoaneta Folea, C. Trisca-Rusu, Executive Directors of MAINANTECH, University "Politehnica" of Bucharest, Department of Industrial Chemistry (Antoaneta Folea - giving the speech; Chair: Dan Dascalu)

A REVIEW OF EUROPEAN MST SUPPORTING ACTIVITIES, R. Turner, KBIC Ltd., UK, Operations Manager NEXUS, Project Manager EUROPRACTICE Coordination.

