I N V I T E D

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. Roesems, G. van Caenegem

The European Council of Barcelona (3/2002) has confirmed the importance of research and innovation policies and of developping 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," Kad.

Bohringer - University of Washington, Seattle, U.S.A

· "TANGDELTA LIMITATIONS OF MILLIMETRE AND SUBMIL-LIMETRE WAVE MEMS", Hans Hartnagel - Dannstadt University, Germany



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



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· "SOLID MICROMECHAN-ICS RESEARCH AND CHALLENGES", <u>Ken P. Chong</u>, L. Sung, D.L. Ho, M.R. VanLandingham, NSF W ashington, U.S.A

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

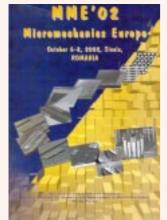


1 The Gala Dinner for MME'02 participants took place on Monday 7 evening, at the Foisor Castle.

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.

• "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)

 $\label{eq:minatec:themicro} \mbox{MINATEC: THE MICRO AND NANO-TECHNOLOGY INNOVATION CENTER,} \\ \mbox{J.-C. Guibert, Deputy Director LETI, CEA-MINATEC-LETI, Grenoble, France.} \\$ 



MATNANTECH: NATIONAL PROGRAME OF RESEARCH "NEW MATERIALS, MICRO- AND NANOTECHNOLOGIES", Antoaneta Folea, C. Trisca-Rusu, Executive Directors of MATNANTECH, 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.

