

"Micro- and NanoTechnology Week"
Sinaia, Romania (6-12 October 2002)

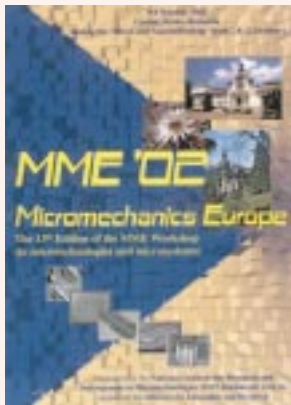
The "Micro- and NanoTechnology Week" was organized in Sinaia, Romania (6-12 October 2002) by IMT-Bucharest (Ministry of Education and Research) and MATNANTECH (National Programme coordinated by the Faculty of Industrial Chemistry, University "Politehnica" of Bucharest) and consisted of the following events:

- A. The Workshop MicroMechanics Europe (MME'2002), with the financial support of the Ministry of Education and Research (pages 11 and 12). The event was open with a message from Mr. Serban Constantin Valeca, Minister Delegate for Research (see page 1).
- B. The International Semiconductor Conference (CAS'2002), an IEEE event with the financial support of the Ministry of Education and Research, see page 13.
- C. Events organized in cooperation with the National Programme MATNANTECH (New Materials, Micro and Nanotechnologies), see page 13.

MICROMECHANICS EUROPE 2002 (Sinaia 6-8 Oct. 2002)
For the first time in Eastern Europe

1 President of the MME Steering Committee: Prof. A. Evans, Univ. Southampton, Honorary President of MME '02

1 President of the Honorary Board: Prof. Ecaterina Andronescu, Minister of Education and Research, Romania



Since 1989, when it started in Twente, the Netherlands, the MME Workshop has traveled all over Europe to promote research and development in the field of micro-mechanics and to prepare the European microsystems community for competition and new market opportunities.



Oral sessions
Casino Hall

- This year topics were:
- 1 Materials and fabrication technologies
 - 1 Microsystems and assembly
 - 1 Sensing and actuation applications
 - 1 MOEMS
 - 1 Microfluidics
 - 1 RF MEMS
 - 1 Design and process characterization
 - 1 Packaging technologies conference

In Sinaia, Dr. Alexandru Müller (IMT-Bucharest, Romania) and Dr. Martin Hill (CIT-Cork, Ireland) have been elected as new members in the MME Steering Committee



MME 2002
68 regular papers and 7 invited papers
Over 90 participants from 19 countries

- Statistics: Regular papers
- 1 West Europe - other countries 20%
 - 1 The Netherlands 17%
 - 1 United Kingdom 16%
 - 1 Germany 11%
 - 1 Romania 10%
 - 1 France 9%
 - 1 Other continents 9%
 - 1 East Europe - other countries 6%



- Statistics: MME 2002 Participants
- 1 Romania 28%
 - 1 United Kingdom 16%
 - 1 West Europe - other countries 15.5%
 - 1 The Netherlands 13%
 - 1 France 9%
 - 1 Other continents 6.6%
 - 1 Germany 5%
 - 1 East Europe - other countries 5.5%



PAPERS FROM ROMANIA AT MME '02

- 1 SIMULATION OF ADSORPTION PROCESSES IN THIN POLYMERIC FILMS FOR RESONANT GAS SENSORS, G. Vasile*,**, C. Măldărescu*, M. Mădărescu***, *National Institute for R&D in Microtechnologies, Romania, **Politehnica University, Department of Engineering Sciences, English Stream, Electrical Engineering and Computer Science, Romania, ***MRC Cork, Ireland
- 1 TOMOGRAPHIC CHARACTERIZATION OF MICROMACHINED VERTICAL-CAVITY SURFACE-EMITTING LASERS, M. Dragoman*, D. Dragoman**, *National Institute for R&D in Microtechnologies, Romania, **Univ. of Bucharest, Physics Dept., Romania
- 1 MICROMACHINED SENSING STRUCTURES BASED ON TUNNELLING EFFECT, D. Vasilache*, M. Rus**, M. Dragoman*, A. Müller*, M. Cheltescu***, C. Băculescu*, R. Bădărescu*, F. Vlașbiu*, I. Dăgar*, *National Institute for R&D in Microtechnologies, Romania, **Bucharest Univ., Romania, ***DOZIMED Ltd., Romania
- 1 THERMAL CYCLING BEHAVIOUR OF A Cu-Zn-Al-Fe SMA BENDING ACTUATOR, Vasile Dia*, Leandru-George Bujoreanu**, Vasile Păpan*, *S.C. IERO S.A. Iasi, Romania, **Faculty of Materials Science and Engineering, The „Gh. Asachi” Technical University from Iasi, Romania
- 1 HIGH Q BAND STOP MSW RESONATORS ON MICROMACHINED SILICON MEMBRANE, George Sajin*, Romeo Marcelli**, Florea Căciunoiu*, Alina Căsanu* , * National Institute for R&D in Microtechnologies, Romania, **M2T - Microwave Microsystems Technology, CNR-IMM, Rome Section, Italy
- 1 TECHNOLOGY ADVANCES AND ON/OFF RESPONSE TIMES OF SNO2 GAS-SENSORS, A. Dina*, O. Dina*, C. Moldovan*, C. Căbrianu***, M. Dumitrescu***, M. Zaharescu**, *National Inst for R&D in Microtechnologies, IMT Bucharest, Romania, **Institute of Physical Chemistry of the Romanian Academy, Romania, ***Electrical Engineering Faculty, Valahia University, Romania



Poster sessions
Sinaia Casino

