

# MICRO AND NANOTECHNOLOGIES BULLETIN

Published quarterly by:  
ROMINFOR/Micro and Nano  
Science and Technology

VOL.9/No.2

May 2008

## Topics in this issue:

FP6 Network of Excellence Patent-DfMM.....page 2

Bringing Nanotechnology to Life - Top 3 major achievements of N2L.....page 3

4M Network of Excellence - Knowledge Community in Multi-Material Micro Manufacture.....page 4

Brokerage activities in Micro- and Nanotechnologies domain.....page 5

FP7 participation of the Optical Microsystem Laboratory, Koc University.....pages 6

Research Center for Microsystems and Nanotechnology (RCMN), Kaunas University of Technology.....page 7

Laboratory of microsensor structures and electronics, Faculty of Electrical Engineering, University of Ljubljana.....page 8

Institute of Polymer Materials, University of Technology in Bratislava .....page 8

Application of microsystem technology for medical implants, Institute of Electron Technology, Warsaw.....page 9, 10

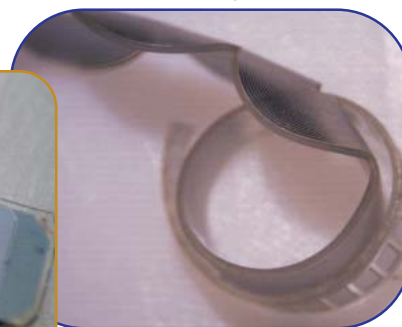
The MINOS Roadshow – Second part: *Continental Europe Road Show*.....page 11

News.....page 12

### **Application of microsystem technology for medical implants** (see details on pages 9, 10)

#### **Electrodes for hearing implants:**

- passive cochlear microelectrode containing 22 Pt stimulation sites coated with silicone rubber (left);
- silicon modulus electrode integrated with a piezoresistive deflection sensor and protected with parylene-silicone coating (right);



Division of Silicon Microsystem  
and Nanostructure Technology  
Institute of Electron Technology,  
Warsaw, Poland

**Edited by:**  
National Institute for Research and Development in Microtechnologies  
(*IMT-Bucharest, www.imt.ro*)  
Ministry of Education and Research, Romania

Previous issues on web: [www.imt.ro/mt](http://www.imt.ro/mt)