



Info day and brokerage event
“Micro – and Nano – System networking activities towards 7FP”
 10th-11th May 2006, Warsaw, Poland



The event was organised by the Institute of Electron Technology, Warsaw, Poland during two days 10-11 May 2006 at the Institute of Biocybernetics and Biomedical Engineering, Warsaw, Poland.

The agenda of the event consist in presentations, round table and mutual discussions on MNS-related topics.

In the **first day** of the info-day were encouraged exchange information on mutual activities and results in order to establish preliminary partnership towards 7 FP applications.

The idea was to concentrate the meeting around 7 topics where partners would gather participant interest and would search for future cooperation activities topics:

1. *Nanoelectronics ENIAC platform*
2. *Bio-mimetic approaches for gas sensing: MST platforms for Artificial Olfaction*
3. *RF and microwave Micro Electro Mechanical Systems*

4. *MST/MNT technologies for food chain in the agro food industry.*

5. *Micro/nano-based integrated medical systems*

6. *Design and manufacture products based on micro technologies*

7. *MEMS for cars.*

Second day – continuation and deepen established ties by visiting laboratories of perspective Polish partners - Institute of Electron Technology)

The participation of the MINOS-EURONET partners at this brokerage event was as follows: 27 researchers from 10 organizations, representing Poland, Austria, Slovakia, Romania, Spain, UK, Germany, France, Lithuania and Bulgaria. Total number of participants at the event was 67 researchers among them 60 researchers from Eastern Europe.



Following the **event Agenda** the speakers presented:

- “ENIAC - European's vision and practices for micro/nanoelectronics”. **Prof. Dr G.Q. (Kouchi) Zhang**, Senior director and strategic program manager in the Strategy Department of Philips Semiconductors, and professor in the Department of Precision and Microsystems Engineering of Delft University of Technology;
- “RF and and Millimeter Wave Micro and Nanosystems”. **Prof. Robert Plana**, Paul Sabatier University and Institut Universitaire de France, LAAS-CNRS ;
- “MST/MNT technologies for the agrofood industry”. **Dr Peter Ivanov, Neus Sabaté Vizcarra**, Department of Silicon Technologies and Microsystems, Centre Nacional de Microelectrònica, Barcelona;
- “Advanced, medical application of microsystem technology”, **Dr Piotr**

Grabiec, Head of Department of Silicon Microsystem and Nanostructure Technology, ITE, Warsaw;

- "Roadmapping of multi-material micro manufacture technologies and its implications for future European research." **Chris Matthews**, Manufacturing Engineering Centre, Cardiff University;
- “MINOS - EURONET European Network pursuing the integration of NMS and ACC in ERA in the area of Micro- and Nanosystems” **Prof. Dan Dascalu** IMT Bucharest Romania;
- “Bio-mimetic approaches for gas sensing: MST platforms for Artificial Olfaction”. **Dr Nikos Papamichail**, Eberhard-Karls-Universitaet Tuebingen;
- "Centre of Microsystems Design and Technology - "COMBAT" ", **Dr Jerzy Weremczuk**, Warsaw University of Technology;
- “MEMS for automotive industry” **Prof. Petr Louda**, Faculty of Mechanical Engineering, Technical University of Liberec, Czech Republic;
- “IC and MST design and biosensors R&D activities in Slovak University of Technology”, **Prof. Viera Stopjakova**, **Prof. Julius Cirak**, Slovak University of Technology, Faculty of Electrical Engineering and Information Technology, Slovak University of Technology, Bratislava, Slovakia;
- Micro-nano Technology Research Activities at the Technical University of Sofia , **Prof. Anna Andonova**, Technical University of Sofia, Bulgaria;
- RC for Microsystems and Nanotechnology, **Prof.Valentinas Snitka**, Kaunas University of Technology, Kaunas, Lithuania;
- Microdialysis based analytical system as a lab-on-chip type device **Dr Dorota G. Pijanowska, Wladyslaw Torbicz**, Institute of Biocybernetics and Biomedical Engineering, Warsaw - Poland;

During the first day the mutual face-to-face brokerage meetings were settle down. The second day was dedicated to continuation and deepens established ties by visiting laboratories of perspective Warsaw partners (Institute of Electron Technology, Warsaw Technical University, Institute of Biocybernetics and Biomedical Engineering etc).



Short curriculum vitae of the speakers:

Prof. Dr. G.Q. (Kouchi) Zhang is senior director and strategic program manager in the Strategy Department of Philips Semiconductors, and professor in the Department of Precision and Microsystems Engineering of Delft University of Technology, The Netherlands. Within Philips Semiconductors, he has been responsible for government program, technology roadmap, strategy and partnership of "More than Moore" (MtM), covering the nontraditional CMOS technologies and applications, such as MEMS, Sensors, Actuators, SiP, etc. As an active player in European's Micro/Nanoelectronics arena, he has been leading and participating in EC funded R&D projects, networks and initiatives. Currently he is leading the "MtM" technology domain team for the Eniac (European Technology Platform Nanoelectronics), and chairing the Academic Council of Dutch national nanoelectronics R&D Program.

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