

Open technology day
23 May 2007, IMT-Bucharest



Conference hall - IMT-Bucharest



Visit in the IMT Technology Area -
NanoScaleLab



Visit in the IMT Technology Area -
Mask Shop

The "Open technology day" facilitated direct contacts for future partnership, as well as a debate on key issues related to the access to high-tech. The guests visited the technological facilities from IMT and also the research laboratories. Apart from the IMT personnel, at this event participated 13 Romanian visitors and 15 foreign visitors from Austria, Belgium, Bulgaria, Germany, Ireland, Italy, Slovenia, Slovakia, Spain, UK.

Venue: National Institute for R & D in Microtechnologies (IMT-Bucharest).

Organizers: IMT-Bucharest; 4 M (NoE/FP6); Rhein-Main MST Network.

Topics:

• **IMT as a technological platform in micro si nanotechnologies:**

- *Facilities*

- *Open labs:* Technology Laboratory for Microstructures; Laboratory of Nanotechnology; Laboratory for micro and nano-Photonics; Laboratory for nanotechnology; Laboratory for simulation, modelling and computer aided design; Laboratory for microsystems in biomedical and environmental application; Laboratory of micromachined structures, microwave circuits and devices; Laboratory for microphysical characterisation and simulation

- *TTI infrastructures* (presentation and visits, see photos on the left).

• **The European experience: technological services in the micro- and nanosystems field** (INTEGRAM plus, Micro Builder).

• **"4M NoE: Cross-Divisional Projects to test some applications of microtechnologies"** (Introduction to 4M; some examples of 4M cross-divisional projects; 4M and the MINAM technological platform) – C. Matthews, Cardiff University, UK.



Christopher Matthews,
Cardiff University, UK

Symposium "Nano in Giga in Europe: Communicating at the global level"

25 May 2007, Romanian Academy, Bucharest



Anatoli Korkin

Organizers: National Institute R & D in Microtechnologies (IMT Bucharest); Nano & Giga Solutions Inc., USA; EU project ROMNET-ERA and the national (Romanian) projects: PRO-BIOSYS and EON-CW.

The invited speaker of the event was **Anatoli Korkin**, *President of Nano and Giga Solutions, Inc., Gilbert, Arizona, USA*. He presented the paper "Multi-Scale Materials, Process and Device Design for Advanced and Future Electronics" and also give speak about the "Nano Giga" Conference.

From Agenda:

- **Dan Bog**, iMediasoft® Group, Romania, "Nanopolis, Achievements and objectives in multimedia applied to the Nano-Biotechnology field"
 - **Cristian Kusko**, IMT-Bucharest, Romania, "Left handed electromagnetism in a three-dimensional dielectric structure"
 - **I. Pintilie**, Institute for R & D in Physics of Materials, Romania, "Conduction Mechanisms in MIS Structures with High-k Insulator Nano-Layers" (I. Pintilie, A. Goldenblum, M. Buda, G. Iordache, T. Botila
 - **Mircea Dragoman**, IMT-Bucharest, Romania, "Nano and Giga in a single chip - Microwave devices based on carbon nanotubes and grapheme")
 - **Magdalena Lidia Ciurea**, Institute for R & D in Physics of Materials, Romania, "Quantum confinement levels evidenced by phototransport in nc-Si" (M. L. Ciurea, V. Iancu, I. Stavarache);
- At the symposium attended 50 participants.



Cristian Kusko

On the 22nd of May *Anatoli Korkin visited also IMT-Bucharest*. During the visit were presented research activities form IMT laboratories, Technology Area, NanoBioLab, NanoScaleLab and MINATECH-Ro Technological Park.



Irina Kleps presenting the
Nanotechnology Laboratory



Oana Nedelcu presenting the
activities of the **Simulation Group**



Visiting the **MINATECH-Ro Technological Park** hosted mainly by IMT