

Final Announcement

Czech Nano-Team Workshop 2006

Praha, 27th-28th April 2006

Organized by:

Institute of Physics
Academy of Sciences of the Czech Republic

Hosted by:

Institute of Chemical Technology, Prague

Chaired by:

Jan Kočka
Institute of Physics
Academy of Sciences of the Czech Republic

For **further information** please see
www.fzu.cz/~nanoteam
or **contact** directly the workshop secretary:
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Thursday April 27th

Topic:

- 9.10 - 9.30 Jan KOČKA (FZÚ Praha)
9.30 -10.00 Jan VALENTA (MFF UK Praha)
10.00 -10.30 Tomáš JUNGWIRTH (FZÚ Praha)
10.30 -11.00 Miroslav MAŠLÁŇ (UP Olomouc)

OPENING AND CENTERS

- Welcome Address I. and Nano-news in the Czech Republic.
Spectroscopy of Single Silicon Nanocrystals.
Recent Achievements in Spintronics.
Review of activities of the Center of Powder Nanomaterials.

11.00 -11.30 BREAK

- 11.30 - 12.00 Bohuslav REZEK (FZÚ Praha)
12.00 - 12.30 Miroslav BARTOŠÍK (FSI VUT Brno)
12.30 - 13.00 Milan ORLITA (MFF UK Praha)

NANOELECTRONICS

- Diamond in nanoscale biosensing
Nanolithography by SPM.
Magneto-optical Properties of Quantum Nanostructures.

13.00 - 14.10 LUNCH

- 14.10 - 14.50 František UHEREK (ILC Bratislava)
Nano-team GUEST
14.50 - 15.20 Martin ŠVEC (FZÚ+MFF UK Praha)
15.20 - 15.50 Jan LÖRINČÍK (ÚRE Praha)

CHARACTERIZATION METHODS

- Nano-related activities of International Laser Centre.**
Methods of Mapping Local Electron Densities in Real Space.
Possibilities and the need of new SIMS.

15.50 - 16.20 BREAK

- 16.20 - 17.00 Oldřich JIRSÁK (VUT Liberec)
Nano-team GUEST
17.00 - 17.30 Jaromír PIŠTORA (VŠB TU Ostrava)
New member

NANOMATERIALS

- Production and Applications of Polymeric Nanofibers.**
Physics of nanostructures at VŠB.

Friday April 28th

- 9.00 - 9.10 Jan KOČKA (FZÚ Praha)
9.10 - 10.00 Karl-Heinz RIEDER
(Freie Universität Berlin, Germany)
10.00 - 10.50 Bill MILNE
(University of Cambridge, UK)

INVITED SPEAKERS

- Welcome address II.
Manipulation of Atoms and Molecules.
Carbon Nanotubes for Electronic Applications??

10.50 - 11.20 BREAK

- 11.20 - 12.10 Leigh CANHAM
(pSiMedica, UK)
12.10 - 13.00 Martin BRANDT
(TU München, Germany)

- From Porous Silicon to BioSilicon Applications.**
Biofunctionalized Semiconductor Surfaces.

Participation:

There is no participation fee for the meeting, but the participants are asked to register in advance by mail to <fejfar@fzu.cz>.

Meeting venue

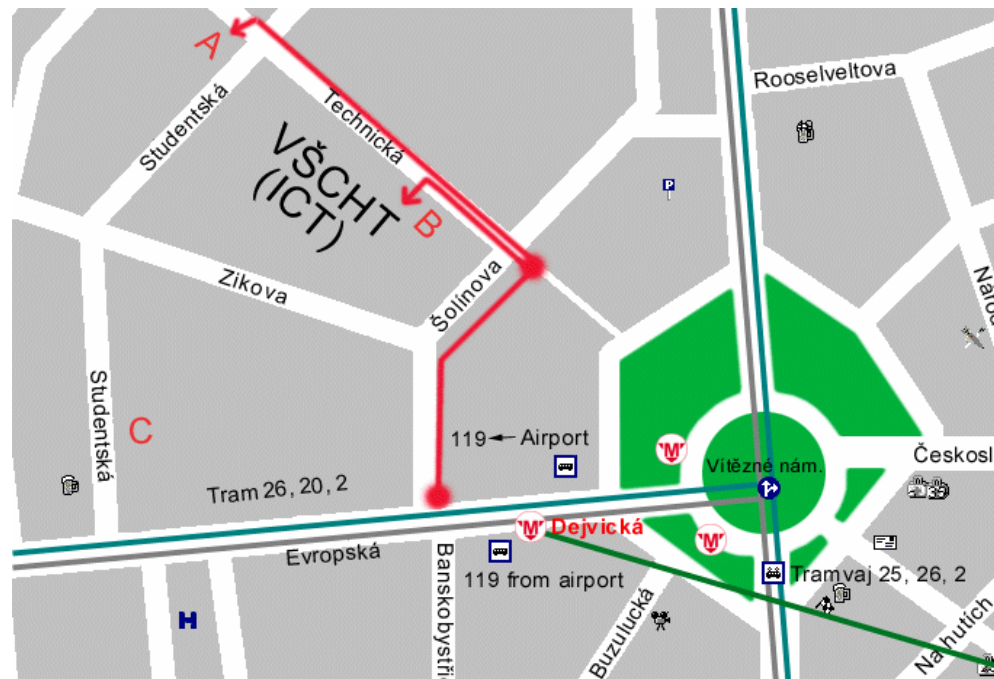
Institute of Chemical Technology, Prague (ICT) =
Vysoká škola chemicko-technologická (VŠCHT)
Technická 3, 166 28 Praha 6
Lecture hall BIII (ground floor, to the right)

Transport:

metro station Dejvická, end station of the line A.

Meeting language:

Talks of the first day of the workshop will be presented in Czech, with English transparencies. The meeting will be held in English on the second day, the day with invited speakers from abroad.

**About the Czech Nano-Team:**

Czech Nano-Team was formed in 2003 by a group of scientists, working in various fields of the physics of nanostructures and nanotechnologies. Nano-Team is not a society, it was formed as a basis for projects on national and international level. As such, the Nano-Team is in principle open for cooperation.

In addition to high level research collaboration, an important goal of Nano-team is to contribute to the education of nanosciences at different levels (schools, public, ...).

See www.fzu.cz/~nanoteam for more information.