

Second Announcement

Czech Nano-Team Kick-off meeting

Praha, 22nd-23rd April 2004

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 the Sciences of the Czech Republic

For further information please see
www.fzu.cz/~nanoteam
or contact directly the meeting secretary:
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Thursday April 22 nd		room B III (ground floor in the right)
9.00 - 9.10	Jan KOČKA (FZÚ Praha)	NANO-TEAM Welcome address I.
9.10 - 9.30	Ludvík SMRČKA (FZÚ Praha)	MBE A _{III} B _V nanostructures and diluted magnetic semiconductors
9.30 - 9.50	Petr MALÝ (MFF UK Praha)	Ultrafast processes in II-VI nanocrystals
9.50 - 10.10	Eduard HULICIUS (FZÚ Praha)	Quantum size MOVPE grown A _{III} B _V nanostructures
10.00 - 10.30	Dušan NOHAVICA (ÚRE Praha)	Micro/nano-porous A _{III} B _V structures
10.30 - 10.50	BREAK	
10.50 - 11.10	Vladimír CHÁB (FZÚ Praha)	Structure and dynamics on surfaces with atomic resolution
11.10 - 11.30	Ivan OŠŤÁDAL (MFF UK Praha)	STM study of adsorption, nucleation and growth of metals on Si
11.30 - 11.50	Ivan PELANT (FZÚ Praha)	Light emitting silicon nanocrystals
11.50 - 12.10	Jan PETZELT (FZÚ Praha)	Dielectric properties of nano-inhomogeneities in condensed matter
12.10 - 12.30	Václav PAIDAR (FZÚ Praha)	Nano-phenomena on metal interfaces
12.30 - 14.00	LUNCH	
14.00 - 14.20	Tomáš ŠIKOLA (FSI VUT Brno)	Nanolithography by SPM.
14.20 - 14.40	Josef HUMLÍČEK (MU Brno)	Nanostructures in III-V semiconductors and cuprates/manganites
14.40 - 15.00	Miroslav MAŠLÁŇ (UP Olomouc)	Amorphous and nanocrystalline iron oxides
15.00 - 15.20	Emil POLLERT (FZÚ Praha)	Magnetic nanomaterials for biomedical applications
15.20 - 15.40	Jaroslav PAVLÍK (UJEP Ústí n.L.)	SnO ₂ thin films and nanometer surface analysis
15.40 - 16.00	BREAK	
16.00 - 16.20	Antonín FEJFAR (FZÚ Praha)	Probing local optoelectronic properties with nanometer resolution
16.20 - 16.40	Luděk FRANK (ÚPT Brno)	Diagnostics of nanostructures with very low energy electrons
16.40 - 17.00	Ladislav KAVAN (ÚFCH JH Praha)	Spectro-electrochemistry at carbon nanostructures
17.00 - 17.20	Aleš HELEBRANT (VŠCHT Praha - NanoTeam guest)	Bioactive materials
17.20 - 17.40	Eduard BRYNDA (ÚMCH Praha, NanoTeam guest)	Nanobiotechnology for preparation of interfaces between biological and non-biological entities
Friday April 23 rd		room BII (2nd floor, at the main staircase)
9.00 - 9.10	Jan KOČKA (FZÚ Praha)	NANO-TEAM Welcome address II.
9.10 - 10.00	Harald FUCHS (Uni. Munster, Germany)	Scanning Probe Methods - the Eyes and Tools of Nanotechnology (invited)
10.00 - 10.50	Michael REICHLING (LMU Munich, Germany)	Nanostructures on insulators uncovered by force microscopy (invited)
10.50 - 11.10	BREAK	
11.10 - 12.00	Jacob SAGIV (Weizmann Institute, Israel)	A Few Milestones on the Long Way from Molecules to Self-Assembling Nanoscale Devices (invited)
12.00 - 14.00	LUNCH	
14.00 - 14.50	Ernst HAMMEL (Electrovac GmbH, Austria)	Industrial Extruded Thermoplasts Enhanced by Carbon Nanofibers (invited)
14.50 - 15.10	Radan PANÁČEK (NanoTeam guest, TC AV ČR Praha)	Czech Nano-roadmap
15.10 - ??		Roundtable discussion

Participation:

There is no participation fee for the meeting, but prior registration (fejfar@fzu.cz) is required as the number of seats, especially on April 22nd, is limited.

Meeting venue

Institute of Chemical Technology, Prague (ICT)

Address:

Vysoká škola chemicko-technologická v Praze (VŠCHT)
Technická 3, 166 28 Praha 6

Lecture halls:

22.4.2004 lecture hall BIII,
building B, ground floor, to the right

23.4.2004 lecture hall BII,
building B 2nd floor, main staircase

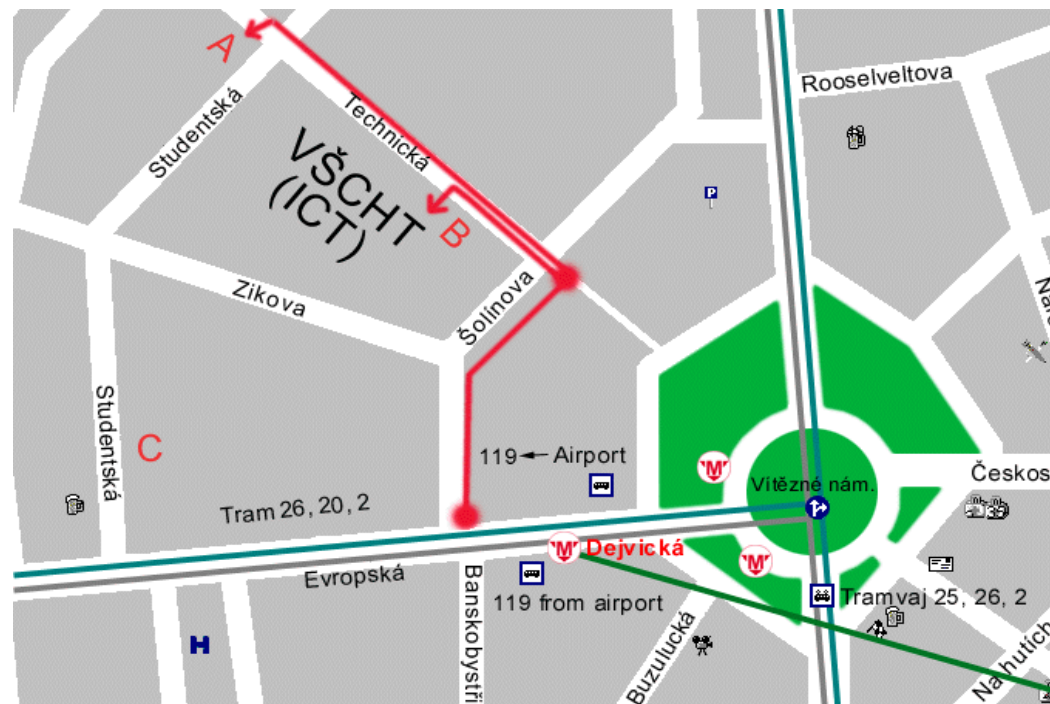
Transport:

Institute of Chemical Technology is located at the metro station Dejvická, the end station of the line A.

Meeting language:

Talks of the first day of the meeting 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:

For substantial progress in the development of nanosciences in the Czech Republic it is imperative to initiate and/or increase the research collaboration on specific research activities. This will increase effective use of existing, often unique equipment and quality of human capital.

The "Nano-team" was formed by about 17 scientists, each representing a group of 3 - 20 researchers, experienced in different areas of the "Physics of Nanostructures and Nanotechnologies".

Importance of the physics is due to the fact that it forms background of new tools - atomic force, scanning tunnelling and electron microscopy (AFM, STM and SEM), opening doors of nanoworld characterisation for biology and chemistry on atomic or molecular level.

Nano-Team is not a society, it was formed as a basis for projects on national and international level and 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, ...).