Second announcement of the 9th IUVSTA School:

International Summer School on **Physics at Nanoscale**

16th – 21st June 2008

Devět Skal,
Czech Republic

Program Committee:
H. H. Brongersma, Calipso, Eindhoven
P. Varga, Vienna University of Technology, Austria
C. F. J. Flipse, Eindhoven University of Technology
I. Kamiya, Toyota Technological Institute, Nagoya

Organized by:
International Union for Vacuum Science, Technique and Applications together with

- Czech Nanoteam
- Brno University of Technology
- Institute of Physics, Academy of Sciences of the Czech Republic, Prague
- Charles University, Prague
- Masaryk University, Brno
- J. E. Purkinje University in Ústí nad Labem
- Czech Technical University, Prague
- Czech Physical Society
- Czech Vacuum Society

Contact for further information:
e-mail: iss@fzu.cz
web page: www.fzu.cz/~iss

We would like to invite you to the International Summer School on **Physics at Nanoscale,** to be held from 16th to 21st June 2008 in the Czech Republic.

Invited speakers from leading world laboratories will give lectures covering different areas of physics of nanoworld. Details on the school programme are given overleaf.

This announcement brings you also information about the school venue and instructions for paying the school fee. The school is supported by International Union for Vacuum Science, Technique and Applications (IUVSTA) and by companies who will also participate in the exhibition of their products and techniques.

We would also like to invite you to present results of your own research at the poster session.

Travelling instructions and further information will be sent to the registered participants in the final announcement in May 2008.

We hope that the school will follow the tradition of highly successful previous summer schools and we are looking forward to seeing you at Devět Skal.

Local organizing committee:

in Brno:
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abroad:
P. Varga (VUT Vienna), I. Kamiya (TTI Nagoya)

REGISTRATION:

Please register via our web page:
www.fzu.cz/~iss

SCHOOL FEE:

includes board, lodging and the registration fee. It does not cover the transport costs. Please transfer the school fee ***by May 15th 2008*** to our account as follows:

for participants from abroad
the school fee is **220 EUR**

Bank name: Komerční banka a.s.
Nám. Svobody 21, 631 31 Brno, Czech Republic
account no.: **27-7494090297/0100**
account name: **VYSOKE UCENI TECHNICKE V BRNE**
IBAN: **CZ66 0100 0000 2774 9409 0297**
swift: **KOMBCZPPXXX**
payment details: **1387008ccc** (where „ccc" is an ID number which will be sent to you by email upon registration at www.fzu.cz/~iss).

for participants from the Czech Republic
the regular school fee is **5200 Kč,**
for students from the Czech Republic the fee is reduced to **4600 Kč.**
Název banky: ČSOB a.s., Milady Horákové 6, 601 79 Brno
číslo účtu: **111043724/0300**
název účtu: **VUT v Brně – Fakulta strojního inženýrství**
IBAN: **CZ66 0300 0000 0001 1104 3724**
swift: **CEKOCZPPXXX**
variab. symbol: **1387008ccc**
(kde poslední trojčíslí ccc obdržíte mailem po registraci).

Participants are kindly asked to keep a copy of the bank transfer order and to present it upon the arrival during the registration at the school.

SCHOOL VENUE:

Orea - Hotel Devět Skal
Sněžné - Milovy 11, 592 02 Svratka
Phone: (+420) 566 585 541
GPS: 49°40'4.58"N,16°5'22.86"E

9th IUVSTA International Summer School programme

Physics at Nanoscale

16th – 21st June 2008,
Devět Skal, Czech Republic

Nano-Optics and Photonics

Y. KANEMITSU, Kyoto University, Japan — **Nanophotonics**

S. MAIER, Imperial College London, UK — **Plasmonics**

J. GÓMEZ RIVAS, Philips Research Laboratories Eindhoven, The Netherlands — **Nanowires and nanoplasmonics**

B. ALTSHULER, Columbia University, New York, USA — **Metamaterials**

Nanolectronics and Spintronics

P. VARGA, Vienna University of Technology, Austria — **Surface nanostructures**

G. KRESSE, University of Vienna, Austria — **Ab-initio simulations**

D. VUILLAUME, CNRS, Villeneuve, France — **Molecular nanostructures and devices**

K. ENSSLIN, ETH Zürich, Switzerland — **Electronic properties of quantum dots**

L. RANNO, Institute Néel, Grenoble, France — **Magnetism and spintronics**

J. WUNDERLICH, Hitachi Cambridge Laboratory, Cambridge, UK — **Ferromagnetic devices for spintronics**

K. LIPS, Hahn-Meitner-Institute Berlin, Germany — **Nanostructures and spin resonance**

Nanostructured Solar Cells

A. SHAH, University of Neuchatel, Switzerland: — **Thin- film silicon solar cells**

A. ZABAN, Bar-Ilan University, Ramat Gan, Israel — **Nanocrystalline solar cells**

R. A. JANSSEN, Eindhoven University of Technology, The Netherlands — **Organic solar cells**

T. SCHMIDT, The University of Sydney, Australia — **Nanostructures for next-generation solar cells**

Czech Nanoteam focused session

J. Homola, Institute of photonics and electronics ASCR, Czech Republic — **Biosensors with surface plasmons**

B. Rezek, Institute of Physics ASCR, Czech Republic — **Functionalized diamond nanostructures**

Monday 16.6.		Tuesday 17.6.		Wednesday 18.6.		Thursday 19.6.		Friday 20.6.		Saturday
arrival registration		8:00-9:00	breakfast	8:00-9:00	breakfast	8:00-9:00	breakfast	8:00-9:00	breakfast	breakfast
		9:00-9:45	**Lips 1**	9:00-9:45	**Shah 2**	9:00-9:45	**Schmidt 2**	9:00-9:45	**Altshuler 2**	departure
		9:45-10:30	**Wunderlich 2**	9:45-10:30	**Shmidt 1**	9:45-10:30	**Janssen 2**	9:45-10:30	**Ensslin 2**	
		10:30-11:00	coffee break	10:30-11:00	coffee break	10:30-11:00	coffee break	10:30-11:00	coffee break	
		11:00-11:45	**Ranno 2**	11:00-11:45	**Janssen 1**	11:00-11:45	**Vuillaume 1**	11:00-11:45	**Varga 1**	
		11:45-12:30	**Lips 2**	11:45-12:30	**Zaban 2**	11:45-12:30	**Maier 1**	11:45-12:30	**Kresse 1**	
		12:30	lunch	12:30	lunch	12:30	lunch	12:30	lunch	
13:00-13:15	opening									
13:15-14:00	**Kanemitsu 1**	15:30-16:15	**Shah 1**	excursion		15:30-16:15	**Altshuler 1**	15:30-16:15	**Kresse 2**	
14:00-14:45	**Gomez Rivas 1**	6:15-17:00	**Zaban 1**			16:15-17:00	**Maier 2**	16:15-17:00	**Gomez Rivas 2**	
15:15-15:45	coffee break	17:00-17:30	coffee break			17:00-17:30	coffee break	17:00-17:45	**Varga 2**	
15:45-16:30	**Ranno 1**	17:30-18:15	**Homola**			17:30-18:15	**Vuillaume 2**	17:45-18:00	closing	
16:30-17:15	**Wunderlich 1**	18:15-19:00	**Rezek**			18:15-19:00	**Ensslin 1**			
17:15-18:00	**Kanemitsu 2**	19:00-20:30	dinner	19:00->	buffet dinner	19:00-20:00	dinner	banquet		
18:00-20:00	dinner	20:30 ->	poster session	19:00->	company evening	20:30-22:00	panel discussion			
20:00 ->	student mixer									