



First announcement of the  
9<sup>th</sup> IUVSTA School:

## International Summer School on **Physics at Nanoscale**

16<sup>th</sup> – 21<sup>st</sup> June 2008

*Devět Skal,  
Czech Republic*

### Program Committee:

H. H. Brongersma, Calipso, Eindhoven  
P. Varga, Technical University Wien, 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. Purkyně University, Usti nad Labem
- Czech Technical University, Prague
- Czech Physical Society
- Czech Vacuum Society

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We would like to invite you to the International Summer School to be held in the Czech Republic from 16<sup>th</sup> to 21<sup>st</sup> June 2008. The school is a continuation of the traditional and highly successful series of summer schools on physics of thin films and surfaces held every three years in the Czech Republic. Last school in 2005 brought together 114 participants from 14 countries.

The coming school will be devoted to the rapidly expanding field of “Physics at Nanoscale”. Invited speakers from leading world laboratories will present the latest progress in the research fields concentrated to nanoscale, in particular

- Nanostructures, Surfaces and Thin Films
- Nano-Optics and Photonics
- Nanoelectronics and Spintronics
- Nanostructured Solar Cells

The school is intended for young people, mainly PhD students and young research workers from both academia and companies.

Participants are invited to present their research interests and results during a poster session.

Traditionally, the school will take place in the relaxing environment of a small recreation resort hidden in the forests at the Czech-Moravian highlands, half way between Prague and Brno. The resort offers environment ideal both for discussing science as well as relaxing afterwards.

We are looking forward to seeing you in Devět Skal!

Organizing committee:

in Brno:

T. Šíkola, L. Dittrichová, J. Humlíček, J. Spousta

in Prague:

A. Fejfar, K. Mašek, P. Hedbávný, V. Matolín

abroad:

P. Varga, I. Kamiya



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**Preliminary program of the school**

S. Maier, London, United Kingdom	Plasmonics
Y. Kanemitsu, Kyoto, Japan	Nanophotonics
B. Altshuler, Columbia, USA	Metamaterials
J. Gomez Rivas, Eindhoven, The Netherlands	Nanowires and nanoplasmonic
P. Varga, TU Wien, Austria	Surface nanostructures
G. Kresse, TU Wien, Austria:	Ab-initio simulations
L. Ranno, Grenoble France	Magnetism and spintronics
J. Wunderlich Cambridge, UK	Ferromagnetic devices for spintronics
K. Lips, Berlin, Germany	Spin resonance
K. Ensslin, Zurich, Switzerland	Graphene and nano-electronic devices
D. Vuillaume, Villeneuve, France	Molecular nanostructures and devices
A. Shah, Neuchatel Switzerland	Thin-film silicon solar cells
A. Zaban, Bar-Ilan, Israel	Nanocrystalline solar cells
R. Janssen, Eindhoven, The Netherlands	Organic solar cells
T. Schmidt, Sydney, Australia	Nanostructures for next-generation solar cells

**Preregistration form**

(please return by the end of February, 2008)

**International Summer School “Physics at Nanoscale”  
 16-21 June 2008, Devět Skal, Czech Republic**

Prof. Dr. Mr. Ms. (Please check)

Name : .....

Institution : .....

Address : .....

Postal code : ..... City : ..... Country : .....

Phone: ..... Fax: ..... E-mail : .....

Date: ..... Signature: .....