



“Trends in nanomechanics and nanoengineering”

24.08.2009-28.08.2009

Siberian Federal University/Krasnoyarsk – Russia

First Announcement

The main purpose of the Workshop “Trends in Nanomechanics and Nanoengineering” is to highlight the latest scientific advances within the broad field of nanomechanics in academia and industry. This workshop will provide the opportunity for researchers coming from corners of the world to be on a single platform for discussion, exchanging ideas and developing collaborations. We plan to bring together the world’s leading scientists in the field of nanostructure growth, investigation of their properties and development of nanodevices

Topics will include aspects of nanotechnology such as (but are not limited to):

- Advances of developing of nanodevices
Novel nanostructural materials and their electronic, magnetic, and chemical properties;
- Theoretical methods for calculation of the properties of nanostructures;
- Modern experimental techniques for obtaining data on nanomaterials.

The Workshop will be organized in Krasnoyarsk by the [Siberian Federal University](#) and [Kirensky Institute of Physics](#) of the Siberian Branch of RAS. Time of the Workshop is 24-28 August 2009. The official language of the conference will be English. The Workshop will be held at the Siberian Federal University.

Plenary lectures, invited talks, contributed oral and poster presentations are planned.

The abstract **DEADLINE** is June 1, 2009

Oral presentation

The duration of an oral presentation, including discussion, is planned to be:

1. 45 minutes for plenary talks,
2. 30 minutes for invited talks,
3. 15 minutes for contributed papers

Important dates

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| Registration opens | 1 January 2009 |
| Abstract submission opens | 1 January 2009 |
| Earlybird registration deadline | 1 May 2009 |
| Hotel reservation deadline | 1 June 2009 |
| Regular registration deadline | 1 June 2009 |
| Abstract submission deadline | 1 June 2009 |

About the Workshop...

About the Workshop's program...

Application for financial support including information about the scientific status and age of the applicant should be submitted together with the application for participation. Some financial support is available for students and participants from developing countries.

Poster presentation

The appropriate size for the poster – A0 format.

Early submission of application is recommended. The number of participants will be strictly limited. Applicants submitting a contribution will be considered with preference. Applicants will be notified about acceptance by 12 June, 2009.

Cultural program

Participants of the workshop are welcome to visit the unique national park Stolby ("pillars" in Russian) or the Rock Pillars. Stolby covers an area of 470 km² (181 mile²) with numerous giant granite rock formations up to 100 meters high, many of very extraordinary shapes.

The second excursion will be organized to Krasnoyarsk Hydroelectric Power Station dam, which is one of the biggest in the world. Also, participants are welcome to visit the major city landmark Karaulnaya Gora hill with the Paraskeva Pyatnitsa Chapel, which is the main symbol of Krasnoyarsk.



The view of the city from the north.

About the Participants...

Yoshinori Ando

Department of Materials Science and Engineering, Nano materials Labo, Nagoya, Japan

Jing Zhu

Beijing National Center for Electron Microscopy, China

Madhu Menon

University of Kentucky, USA (to be confirmed...)

Leonid Chernozatonskii

Emanuel Institute of Biochemical Physics of RAS, Moscow, Russian Federation

Apparao M. Rao

Clemson University, USA

Daniel E. Bürgler

Institute of Solid State Research, Germany

About the Organizers...

Chairman

Prof. Kirill S. Aleksandrov (Academician of Russian Academy of Sciences, the head of condensed matter physics department of Siberian Federal University)

Deputy Chairman

Prof. Gennady S. Patrino (Director of Institute of Engineering Physics and Radio electronics of Siberian Federal University)

Prof. Sergey G. Ovchinnikov (Deputy-director of the Kirensky Institute of Physics of RAS)

Organizing Secretariat

Dr. Pavel B. Sorokin (teacher on the staff of chair of condensed matter of Siberian Federal University, the researcher)

Plenary lecturers



Local Committee

Prof. Vladimir I. Kolmakov

Prof. Grigory N. Churilov

Dr. Sergey V. Verkhovets

Dr. Alexander A. Kuzubov

Dr. Pavel O. Krasnov

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Prof. Chan-Gyu Lee (Korea)

Dr. Pavel V. Avramov (Japan)

Dr. Riccardo Rurali (Spain)

Dr. Abhishek K. Singh (USA)

Krasnoyarsk is a modern city in the centre of Russia founded on the beautiful banks of the Yenisey River, which is the biggest river in Eurasia. The population of Krasnoyarsk is almost one million people. Krasnoyarsk is an economic, cultural and administrative centre of the enormous region. Around Krasnoyarsk people enjoy a wild and beautiful environment such as unique forms of the ancient rocks, crystal clear mountain and taiga rivers, mineral springs and lakes. Many square kilometers of the land are covered by deep conifer wood (taiga) visited only by hunters. A national park, "Stolbu", is one of the most famous recreational sites in Siberia.

About the place...

[More about Krasnoyarsk](#)



The Yenisey river

Siberian Federal University was founded in 2006 following the decision of the Government of the Russian Federation. The institution integrated four large universities (Krasnoyarsk State University, Krasnoyarsk State Academy of Architecture and Civil Construction, Krasnoyarsk State Technical University, and State University of Non-Ferrous Metals and Gold) into one 43,000-student university. The combined university benefits from an investment of 17 billion rubles (over \$650 million), including funding from the government of the Russian Federation, local government and businesses.

With over 43,000 students and 3,329 lecturers (including 8 Academicians and Corresponding Members of the Russian Academy of Sciences, as well as 2,087 employees with Sc.D. and Ph.D. degrees), the university offers 230 programs at various university levels. Scientific development and the advancement of knowledge at Siberian Federal University are part of a rich tradition of research inherited from the parent universities. University researchers are currently involved in a number of projects conducted together with the European Space Agency, NASA, European Council, National Institute for Environmental Studies (Japan), and others.

Key research areas:

- Nanotechnology; New Materials and Materials Science; Non-Ferrous Metallurgy; Mechanical Engineering;
- Bioengineering;
- Satellite Technology; Satellite Monitoring, Navigation, Communication;
- IT; Distributed Computing Systems;
- Energy Production, Transport, Distribution, Accumulation; Coal, Oil, Gas Processing; Transport, Logistics;
- Geology; Environmental Management; Sustainability;



**About the
Siberian Federal
University...**

**[More about the
University](#)**