Chinese-German Symposium

Nanomanufacturing and Nanotribology

Berlin University of Technology, Germany

May 29 - June 1, 2011

Location
The Symposium will take place at the TU Berlin, main building, rooms H 2036/2037, Str. des 17. Juni 135, 10623 Berlin

Time table
29 May – arrival
30 and 31 May – presentations
1 June – excursions to laboratories at scientific institutions in Berlin

Objectives
In the last decades, nanotechnology has become one of the key scientific and engineering fields contributing to the most rapidly developing branches of technology, such as micro- and nano-mechanical systems, information storage systems, functional materials with nanostructure and so on. Important issues of nanotechnologies are nanomanufacturing, fabrication of nanostructures, nanomanipulation and nanotribology. Both in Germany and China, research and development in the field of nanotechnology belong to priority research areas. The purpose of the symposium is to bring together German and Chinese specialists actively working in different areas of research (physics, chemistry, tribology, materials science, engineering, and numerical simulation methods) and industry in order to discuss the topical achievements and future problems of nanomanufacturing and nanotribology.

Topics
- Nanomanufacturing
- Fabrication of nanostructures
- Nanomanipulation
- Nanometry
- Adhesion at the nano scale
- Atomic force microscopy
- Atomic friction and wear
- Thin films and fluids at the interface
- Nanotechnology in nature
- Nanocomposites
- NEMS and MEMS
- Further related topics

Presentations
There will be oral presentations only, each presentation is 20 minutes including discussion

Abstracts
Please send the title of your presentation and a one-page abstract as soon as possible but not later than by April 25, 2011 to the following address: v.popov@tu-berlin.de

Participants from European countries and USA

H. Bosse  Braunschweig, Germany
G. Bräuer  Braunschweig, Germany
A. Danani  Manno, Switzerland
M. Elbahri  Geesthacht, Germany
S. Fatikow  Oldenburg, Germany
F. Faupel  Kiel, Germany
E. Gnecco  Madrid, Spain
U. Heiz  Munich, Germany
H. Hoelscher  Karlsruhe, Germany
E. Meyer  Basel, Switzerland
M. Müser  Saarbrücken, Germany
B. N.J. Persson  Jülich, Germany
V. Popov  Berlin, Germany
S. Psakhie  Tomsk. Russia
E. Quandt  Kiel, Germany
A. Schirmeisen  Münster, Germany
U. Schwarz  New Haven, USA
Ch. Selhuber-Unkel  Kiel, Germany
J. Starcevic  Berlin, Germany
M. Urbakh  Tel Aviv, Israel

Participants from China
Yaolong Chen  Xi’an
Han Ding  Wuhan
Yucheng Ding  Xi’an
Dongming Guo  Dalian
Wenhao Huang
Lan Jiang  Beijing
Zhuangde Jiang  Xi’an
Yuhong Liu  Beijing
Bingheng Lu  Shaanxi
Jianbin Luo  Beijing
Linmao Qian  Chengdu
Zhongqun Tian  Xiamen
Yu Tian  Beijing
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Organisation & contact

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