



## 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
- Nanometrology
- 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](mailto: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
Guobiao Wang	
Zuobin Wang	Changchun
Huadong Yu	Changchun

### **Organisation & contact**

#### **In China:**

Prof. Dr. LUO Jianbin  
State Key Lab. of Tribology  
Building 9003  
Tsinghua University  
Beijing 100084  
CHINA  
  
Tel: +86 (0)10 62781385/0  
Fax: +86 (0)10 62781379  
E-mail: [luojb@tsinghua.edu.cn](mailto:luojb@tsinghua.edu.cn)

#### **In Germany:**

Prof. Dr. Valentin POPOV  
TU Berlin  
Institute of Mechanics, Sekr. C8-4  
Str. des 17. Juni 135  
D-10623 Berlin  
GERMANY  
  
Tel: +49 (30) 314 21 480  
Fax.: +49 (30) 314 72 575  
E-mail: [v.popov@tu-berlin.de](mailto:v.popov@tu-berlin.de)