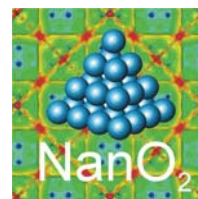


First Circular



NanO<sub>2</sub> Workshop 2006 Kloster Irsee

## **Workshop on the reactivity and stability of surfaces and nanoparticles at elevated pressures**

### **Scope:**

Substantial effort has been devoted within the past few decades to the understanding of the fundamentals of gas / solid reactions, which play an important role e.g. in catalysis or oxidation. Pioneering-type experiments under highly idealized conditions have been performed, such as very low gas pressures ( $<10^{-6}$  mbar), and idealized, model material systems have been investigated (single crystals). However, understanding chemical reactions on single crystal surfaces close to ultra high vacuum doesn't enable prediction of the performance of a device made of nanoparticles operating at near atmospheric gas pressures. This workshop aims to bring together scientists from different areas such as surface physics / chemistry, catalysis or material science bridging this combined pressure / materials gap. The workshop will focus on high resolution, atomic scale, in-situ investigations of model systems from UHV to atmospheric pressures and corresponding theoretical calculations.

The workshop is a continuation of a loose series of workshops, which took place 2003 in Lund and 2004 in Lyon. It will be organized by the European consortium NanO<sub>2</sub>, "Oxidation of Nanomaterials". The workshop will be held from 27.9.-30.9.2006, in Kloster Irsee (Bavaria, Germany). The number of participants is limited to 50 (10 invited).

Information on the workshop can be obtained from: [www.nano2.net](http://www.nano2.net)

On the location: [www.kloster-irsee.de](http://www.kloster-irsee.de)

**Exact dates:** starting in the evening of the 27.9.06 at 19:00 (dinner), registration from 18:00 on. End: 30.9.06 (lunchtime).

**Registration deadline: 6.6.2006**

You will be notified on the acceptance of your abstract by June 23 2006.

**List of invited speakers (confirmed):**

Bjørk Hammer, University of Aarhus  
Jörg Libuda, Universität Erlangen-Nürnberg  
Axel Knop-Gericke, Fritz-Haber-Institut Berlin  
Ulrich Heiz, TU München  
Claude Henry, CRMCN-CNRS Marseille  
Bert Weckhuysen, Utrecht University  
Martin Muhler, Ruhr-Universität Bochum  
Guido Ketteler, Lawrence Berkeley National Laboratory  
Friedrich Esch, ELETTRA

**Organizing committee:**

Andreas Stierle (NanO<sub>2</sub> coordinator, workshop chair), MPI für Metallforschung Stuttgart  
Salvador Ferrer, CELLS -ALBA  
Roberto Felici, ESRF  
Jost Frenken, University of Leiden  
Maya Kiskinova, ELETTRA  
Georg Kresse, IMP, University of Vienna  
Edvin Lundgren, Lunds University  
Herbert Over, Gießen University  
Alfons Molenbroek, Haldor Topsoe  
Karsten Reuter, Matthias Scheffler, FHI Berlin  
Peter Varga, TU Vienna

**Workshop on the reactivity and stability of surfaces and nanoparticles at  
elevated pressures 27.9.-30.9.2006 in Irsee**

**Registration Form (please fax to Dagmar Schuhmacher +497116891942)**

First Name:

Last Name:

Affiliation:

Address:

City:

Postal Code:

Country:

Phone:

Fax:

Email:

Title of Abstract:

The EUR 350 workshop fee includes accommodation at Kloster Irsee from Wednesday, September 27 to Saturday, September 30, meals from Wednesday dinner to Saturday lunch and a workshop dinner on Friday night.

**Payment of the workshop fee:**

Together with the notification on the acceptance of your abstract by June 23 2006, the bank coordinates for the workshop fee will be communicated.

Please feel free to contact us at [schuhmacher@mf.mpg.de](mailto:schuhmacher@mf.mpg.de) with any questions you may have.