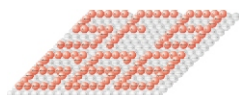


Organizers

Interdisciplinary Nanoscience Center Hamburg
in cooperation with
the Academy of Sciences and Humanities
in Hamburg, the University of Hamburg,
CAN GmbH, SFB 508, and SFB 668.



Venue

Lecture Hall B, Department of Chemistry,
University of Hamburg,
Martin-Luther-King-Platz 6,
20146 Hamburg

Public Lecture:
Lecture Hall of the Bucerius Law School,
Jungiusstraße 6,
20355 Hamburg

Information & Accommodation

Congress Office
Heiko Fuchs
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hfuchs@physnet.uni-hamburg.de

Registration

I want to attend the
International Nanoscience Symposium.

30 May - 1 June 2007
Lecture Hall B, Department of Chemistry,
University of Hamburg, Martin-Luther-King-Platz 6,
20146 Hamburg

Participation is free of charge.

Title:

First Name:

Last Name:

Company:

Department:

Street / P.O. Box:

Postal Code:

City:

E-mail:

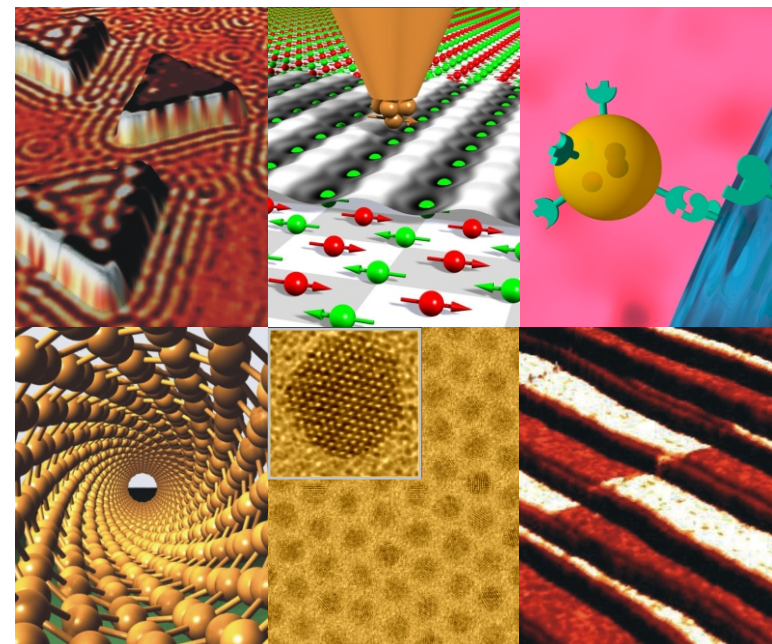
Date:

Signature:

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+49 - 40 - 42838 - 2409

International Nanoscience Symposium



**30 May - 1 June 2007
Hamburg, Germany**

on the occasion of the inauguration of



in cooperation with the
Academy of Sciences and Humanities
in Hamburg, the University of Hamburg,
CAN GmbH, SFB 508, and SFB 668.

Wednesday, 30 May 2007

- 13.30 **Opening and Welcome Address**
Prof. Dr. H. Reinitzer, President of the Academy of Sciences and Humanities in Hamburg
Dr. R. Salchow, Secretary of State (Free and Hanseatic City of Hamburg)
- 13.45 **“Towards personalised medical diagnostics based on nanomechanics“**
Prof. Dr. Chr. Gerber (NCCR, University of Basel, Switzerland)
- 14.30 **“Nanobiotechnological drug screening: Imaging, sensing, and locating molecular compounds that drive cellular machines“**
Prof. Dr. D. Müller (Center of Biotechnology, TU Dresden, Germany)
- 15.15 *Coffee Break*
- 15.45 **“Cellular response at the nanoscale“**
Prof. Dr. J. Spatz (Max Planck Institute, Stuttgart, Germany)
- 16.30 **“Nanotechnology of gold: a 5000 years old story“**
Prof. Dr. M. Brust (University of Liverpool, U.K.)
- 17.15 **“Gold nanoparticles with tailored size and shape for biosensing“**
Prof. Dr. L. Liz-Marzán (University of Vigo, Spain)
- 18.00 *Dinner Buffet*
- 20.00 **Public Lecture**
(Lecture Hall of the Bucerius Law School)
Welcome Address
Prof. Dr. H. Reinitzer, President of the Academy of Sciences and Humanities in Hamburg
Prof. Dr.-Ing. M. Auweter-Kurtz, President of the University of Hamburg
„Chancen und Risiken der Nanotechnologie“
Prof. Dr. W. Heckl (LMU München und Deutsches Museum, Germany)

Thursday, 31 May 2007

- 9.00 **“Branched and striped colloidal nanocrystals as novel quantum structures“**
Prof. Dr. A. P. Alivisatos (University of California, Berkeley, USA)
- 9.45 **“Semiconductor nanowires: From self-assembly to quantum devices“**
Prof. Dr. L. Samuelson (University of Lund, Sweden)
- 10.30 *Coffee Break*
- 11.00 **“Magnetic organometallic nanoparticles: How to control their size, shape, and organization for selected applications“**
Prof. Dr. B. Chaudret (CNRS Toulouse, France)
- 11.45 **“Chemical reactions on single nanoparticles“**
Prof. Dr. P. Mulvaney (University of Melbourne, Australia)
- 12.30 *Lunch*
- 14.00 **“Chemical identification of single atoms and following atom manipulation for assembling compound nanostructures“**
Prof. Dr. S. Morita (Osaka University, Japan)
- 14.45 **“Atomic-scale optical phenomena“**
Prof. Dr. W. Ho (University of California, Irvine, USA)
- 15.30 *Coffee Break*
- 16.00 **“Nanoscience and the riddle of high temperature superconductivity“**
Prof. Dr. A. Yazdani (Princeton University, USA)
- 16.45 **Lab tour**
(Nanochemistry, CAN GmbH, INCH)
- 20.00 *Conference Dinner*

Friday, 1 June 2007

- 9.00 **“Templated self-assembly of block copolymers: Top-down meets bottom-up“**
Prof. Dr. C. A. Ross (MIT, Cambridge, USA)
- 9.45 **“Science and technology of semiconductor nanocrystals: Excitons and multiexcitons“**
Prof. Dr. M. Bawendi (MIT, Cambridge, USA)
- 10.30 *Coffee Break*
- 11.00 **“Nanoporous capsules: From aesthetics to multifunctionality“**
Prof. Dr. A. Müller (University of Bielefeld, Germany)
- 11.45 **“Controlling chemical and physical changes reversibly at the nanoscale“**
Prof. Dr. M. Aono (NIMS, Tsukuba, Japan)
- 12.30 **“Dynamics of nanostructures on surfaces revealed by high-resolution, fast-scanning STM“**
Prof. Dr. F. Besenbacher (iNANO, University of Aarhus, Denmark)
- 13.15 *Lunch*
- 14.30 **Lab tour**
(Nanophysics, MARCH, HanseNanoTec)
- 19.00 *Invited Speakers' Dinner*