

The City of Berlin

Berlin has regarded itself as a city of knowledge and culture since the days of Friedrich the Great in the 18th century. The political and cultural developments of the 19th and 20th century are visible throughout Berlin's cityscape, reflecting both the history of architecture and various approaches to deal with the consequences of war and destruction.

Berlin's cultural offerings have something for every taste: world-renowned museums like the Pergamon Museum and the Old National Gallery; names like Daniel Barenboim, and the Berlin Philharmonic with its chief conductor, Simon Rattle; and a young and creative alternative scene.

This mix of cultural institutions rich in tradition and an independent experimental scene is what makes Berlin's cultural landscape so appealing.

Conference Venue

The 2nd *International Symposium on Advanced Electron Microscopy for Catalysis and Energy Storage Materials* will be organized by the Department of Inorganic Chemistry, Fritz Haber Institute of the Max Planck Society. The symposium will be held in the Harnack-House, the conference venue of the Max Planck Society some 80 meter from Fritz Haber Institute. The symposium venue can be easily reached by the very well established public traffic system in Berlin. For details of the location see:

<http://www.harnackhaus-berlin.mpg.de>

<http://www.fhi-berlin.mpg.de/reach.epl>

Acommodation

Berlin, the capital of Germany, has plenty of possibilities for accommodations ranging from pensions (guest houses) to five star luxurious hotels. Please make your reservation through your travel agency or by yourself via internet, for instance, using:

<http://www.hotel.de>

<http://www.venere.com>

<http://www.berlin.de>

Registration

Thanks to the financial support of the Max Planck Society, and of industrial sponsors, the symposium is free of charge for the participants. However, a strict registration procedure will be applied. All the participants have to register. Only those with confirmed registration are allowed to attend any activity of the symposium. The name batch should be noticeable during the symposium.

The registration includes:

- ▶ Welcome reception
- ▶ Poster reception
- ▶ Two lunches
- ▶ Banquet

Organizers

Prof. Dr. Dang Sheng Su
Prof. Dr. Robert Schlögl

Local organization committee

Marc Willinger
Dorothea Damm
Sabine Wrabetz

Phone: +49-(0) 30 8413 4638

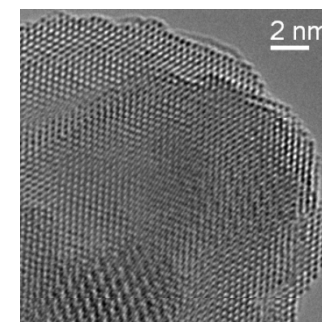
Fax: +49-(0) 30 8413 4402

E-mail: EmCat2012@fhi-berlin.mpg.de



The 2nd International Symposium on Advanced Electron Microscopy for Catalysis and Energy Storage Materials

February 5th to 8th, 2012
Berlin, Germany



[HTTP://WWW.EMCAT2012.ORG/](http://www.emcat2012.org/)

Fritz Haber Institute
of the Max Planck Society

Department of Inorganic Chemistry

Scope

The Symposium covers recent developments in electron microscopy and their applications to catalysis, to catalyst-related materials and processes, and to materials science for energy storage.

Call for papers and posters

The conference will include both invited and contributed papers. Contributions are welcome on any of the topics mentioned here. Prospective authors are requested to submit a one-page abstract of their paper to arrive at FHI by **December 4, 2011**. Please use the abstract template available on our homepage. Authors will be informed by **December 12, 2011** whether their paper has been accepted for oral or poster presentation. The conference language will be English.

Posters should be displayed during registrations on 5th Feb. 2012 and presented throughout the symposium with a formal poster session on Monday afternoon. Poster authors will have the same publication opportunities as oral session authors.

Poster Prize

Poster Prizes will be awarded on three outstanding posters (300 € each). The posters to be awarded will be selected by vote of the members of the scientific committee and the invited speakers.

Key dates

Deadline for Registration: Dec. 04, 2011

Deadline for Abstract Submission: Dec. 04, 2011

Confirmation of participants: Dec. 12, 2011

Symposium: Feb. 5th, 2012

Invited speakers (to be completed)

Sir John Meurig Thomas -

Nigel Browning- Atomic Resolution and Dynamic Studies of Catalysts

Archie Howie - Interactions of Atomic Clusters with the e-beam in the Electron Microscope

Rik Brydson - Microscopy of Photocatalysts

Krijn de Jong - Characterization of Zeolites Using Electron Tomography

Peter A. Crozier - Towards *Operando* Transmission Electron Microscopy

Chris Kiely - Unravelling Structural Complexity in Supported Metal and Supported Oxide Catalysts

Abhaya K. Datye - Dynamics of Heterogeneous Catalysts via Electron Microscopy

Kazu Suenaga – Imaging and Spectroscopy of Individual Atoms in Nano-structured Materials

Paul Midgley – Recent Developments in Electron Tomography of Heterogeneous Catalysts

Pratibha L. Gai – Visualising Live Catalysis at the Atomic Scale

Stig Helveg – High-resolution Electron Microscopy of Heterogeneous Catalysts in the Working State

Ute Kaiser - Transmission Electron Microscopy between 20 and 80kV: Current Status and Future Prospects

