

postage

Empa
Anke Weidenkaff
Laboratory for
Solid Chemistry and Analyses
Überlandstrasse 129
CH-8600 Dübendorf
Switzerland

■ Partial list of invited speakers

Georg Bednorz, IBM, Switzerland

Dieter Vollhardt, University of Augsburg, Germany

Truls Norby, University of Oslo, Norway

Ichiro Terasaki, Waseda University, Japan

Evgeny Antipov, University of Moscow, Russia

Peter Battle, University of Oxford, UK

Sylvie Hébert, CRISMAT CNRS/ENSICAEN, France

Juan Rodriguez-Carvajal, LLB Saclay, France

Darrell G. Schlom, Penn State University, USA

■ Technical Workshops

co-organised by the German Chemical Society (GDCh)

- Hands-on workshops on «Complementary structure analyses methods of complex perovskite-type phases» for PhD students and eager to learn participants.

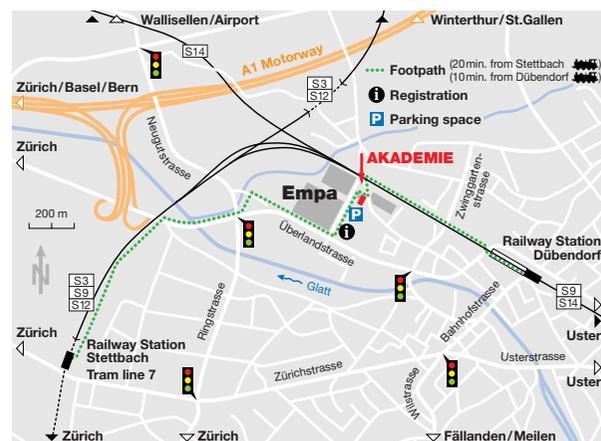
Topics

- Rietveld refinement of X-ray- and Neutron- Diffraction data, X-ray Spectroscopic methods (EXAFS...), Transmission Electron Microscopy.

■ About Empa

Empa (Swiss Federal Laboratories for Materials Testing and Research) was established 125 years ago as the ETH domain's institution for multidisciplinary research into sustainable materials and systems engineering.

■ Directions



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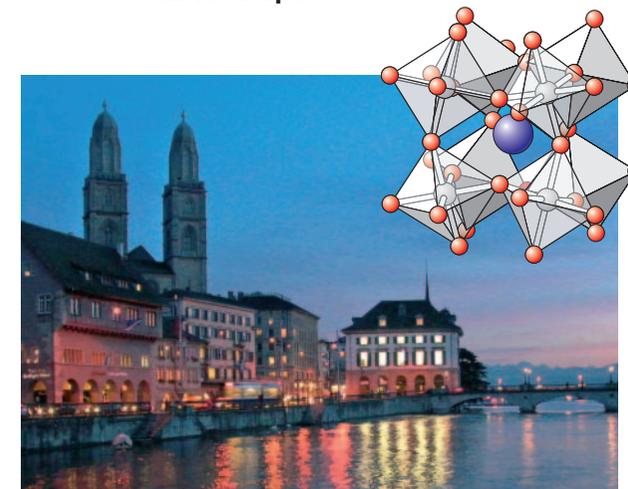
Zentrum für Wissenstransfer

research
THAT INSPIRES
125
years of **empa**
Open House
St.Gallen June 18, 2005
Dübendorf June 25, 2005

International Conference on

Perovskites – Properties and Potential Applications

Call for Papers



Empa, 8600 Dübendorf, Switzerland

Überlandstrasse 129

September 05–07, 2005

Registration online at
www.empa.ch/perovskite
perovskites@empa.ch

■ Dates and Deadlines

- Submission of one-page abstract for oral and poster presentations: **April 30, 2005**
- Confirmation of contributions by **June 30, 2005**
- **Conference September 05–07, 2005**

■ Scope

Transition metal oxide compounds with perovskite-type structure ($AMX_{3-\delta}$) show attractive physical and chemical properties, such as high temperature superconductivity or thermo-electricity, as well as outstanding catalytic properties for various redox reactions.

- The aim of the conference is to assemble scientists from universities, scientific institutes as well as industry to promote international co-operations on perovskite-type materials development.
- The conference will provide a forum for discussions among chemists, physicists, and materials scientists working with perovskites.
- The topics include all aspects of synthesis and characterisation methods. Special emphasis will be given to theory, catalytic, magnetic, electronic and transport properties of the compounds.

■ Call for papers

You are invited to submit abstracts (300 words) on topics within the scope of the conference via e-mail.

■ Topics

Preparation techniques

Innovative synthesis methods (Thin films, soft chemistry, ...)

Characterisation techniques

Structure of perovskite-type materials (characterisation methods, crystallography, TEM, XRD, ...),

Physics of perovskites

theory and modelling, structure-property-relations

Applications of perovskites

energy conversion processes, catalysis, thermoelectrics, ferroelectrics, ion conductors, CMR materials, superconductors, ...

Perovskites under extreme conditions

deep earth, high temperature, high pressure, nuclear radiation, thermal reactivity...

■ Chairpersons

Anke Weidenkaff, Empa

Antoine Maignan, CRISMAT CNRS/ENSICAEN

Mas Subramanian, DuPont

■ International Advisory Committee

Alexandra Navrotsky, University of California, USA

Kenneth Poeppelmeier, Northwestern University, USA

Ichiro Terasaki, Waseda University, Japan

Armin Reller, University of Augsburg, Germany

Stefan Ebbinghaus, University of Augsburg, Germany

Martin Jansen, MPI Stuttgart, Germany

Matt J. Rosseinsky, University of Liverpool, UK

Thom Palstra, Groningen University, Netherlands

Bernard Raveau, CRISMAT CNRS/ENSICAEN, France

Sylvie Malo, CRISMAT CNRS/ENSICAEN, France

Thomas Lippert, PSI, Switzerland

Oystein Fischer, University of Geneva, Switzerland

■ Local Organising committee

Claudia Schreiner, Heinz Vonmont, Ulrich Vogt, Empa

■ Registration Fee

(including welcome reception, book of abstracts, lunch and coffee)

- CHF 450 before June 2005 (participant)
- CHF 300 for students and unemployed persons
- CHF 600 after June 2005

■ Publications

Special issue of Progress in Solid State Chemistry

■ Organisation and Sponsorship

Empa, MaNEP, DFG-SFB 484, CNRS, SNF, BFE, GDCh

■ Social events

- Welcome reception
- Boat trip and conference dinner at Lake Zürich
- Zürich sightseeing tour

■ Venue and accommodations

www.zuerich.com/

Registration Form

International Conference on Perovskites – Properties and Potential Applications

September 05–07, 2005

Empa, Überlandstr. 129, CH-8600 Dübendorf, Switzerland

I will to attend the conference

Ms Mr Dr Prof.

Name _____

First Name _____

Affiliation _____

Address _____

Phone _____

Fax _____

E-mail _____

Date _____

Signature _____

I intend to present a contribution

I will join one of the workshops

I will be accompanied byPersons,children

Please fax or mail to the conference office or register via our website www.empa.ch/perovskite