

Final Program



Symposium on

“Microstructural Characterisation down to the Atomic Scale”

on the occasion of the opening of the 3D atom probe with laser pulse module

5 December 2007

Department of Physical Metallurgy and Materials Testing
University of Leoben

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University of Leoben

- 08:30 Uhr** Welcome
Prof. Helmut Clemens, University of Leoben
- 08:40 Uhr** Atom Probe Tomography: Basics Principles and Developments
Prof. Dr. Alfred Cerezo, University of Oxford, Oxford, UK
- 09:25 Uhr** Atomic Scale Characterisation of Functional Materials
Dr. Tom Kelly, Imago Scientific Instruments, Madison, USA
- 10:10 Uhr** Coffee break
- 10:30 Uhr** Engineering Materials at the Atomic Level
Dr. Frédéric Danoix, University of Rouen, Rouen, France
- 11:15 Uhr** Energy-filtered Transmission Electron Microscopy in Materials Science
Prof. Dr. Ferdinand Hofer, Graz Centre for Electron Microscopy, Graz, Austria
- 12:00 Uhr** Lunch
- 13:30 Uhr** Aberration corrected TEM of Solid-Solid and Solid-Liquid Interfaces
Prof. Wayne D. Kaplan, Israel Institute of Technology, Haifa, Israel
- 14:15 Uhr** In-situ Characterisation of Creep Damage Evolution in Metallic Materials using Synchrotron Tomography
Prof. Anke Pyzalla, Max-Planck-Institut für Eisenforschung, Düsseldorf, Germany

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- 15:00 Uhr** Small-angle Neutron Scattering for the Analysis of Nano-Particles
Dr. Peter Staron, GKSS Research Centre, Geesthacht, Germany
- 15:45 Uhr** Coffee break
- 16:15 Uhr** Nano-scaled TiAl: New Insights
Dr. Limei Cha, University of Leoben
- 16:35 Uhr** Characterization of nm-sized Precipitates in a Martensitic Fe-Co-Mo alloy using Small-angle Scattering and 3D Atom Probe
Dipl.-Ing. Elisabeth Eidenberger, University of Leoben
- 16:55 Uhr** Precipitation Evolution in a Ti-free and Ti-containing Maraging Steel
Dipl.-Ing. Michael Schober, University of Leoben
- 17:15 Uhr** Closing Remarks