



14. July 2006, Garching

Scope

The workshop should bring together experienced as well as young researchers using neutron beams for Geoscience. Invited and contributed talks will give an overview of actual and future applications of neutrons for this scientific field. Scientists working at the FRM II will present the available instrumentation relevant for structural research, texture investigations and radiography. In addition the workshop shall provide a summary on the need for future instrumentation at the FRM II for the Geoscience community.

Venue

The workshop takes place at the *Zentrum Mathematik* in Garching, lecture hall HS3. Travel informations can be obtained from the Internet pages at <http://www.ma.tum.de/>.

Registration

The registration can be done online under <http://www.frm2.tum.de> -> events -> workshop Neutrons for Geoscience. Contributions are welcome in form of oral or poster presentations. Please register in the contributors area if you want to present a talk (15 min) or poster on the workshop. If not please register in the participants area. A workshop fee is not requested.

All contributors are asked to submit a one page summary of the presentation in form of a A4 pdf-file to be uploaded after the registration online in the contributors area. In addition a short abstract (without figures) which will be visible for all participants is requested.

The workshop language is english.

Deadlines

The registration is open for submission of contributions until 23.06.2006. Participants can register until 7.7.2006. Early registration is appreciated.

Program outline

14. July 2006, 9:00 Registration

9:30 Welcome and presentation of the FRM II

Experiments under extreme conditions

9:45 High pressure research in Geoscience with neutrons, H. Keppler, Bayreuth

10:15 Contributed talks

Texture investigations in Geoscience

11:30 Neutron texture analyses for the understanding of geological processes and the anisotropic physical properties of rocks, B. Leiss, Göttingen

12:00 Contributed talks

12:45 Lunch break together with poster session and presentation of instruments at the FRM II

Structure research

14:00 Neutron studies of mineral stability at combined high-P/T: techniques and insights, S. Redfern, Cambridge

14:30 Contributed talks

15:30 Application of *unconventional* neutron scattering techniques in the Earth Sciences: SANS, QENS, NRAS and neutronography, B. Winkler, Frankfurt

16:00 Angle-dispersive neutron diffraction at high-pressure with opposed anvil cells, K. Knorr, Kiel

16:30 General discussion and summary

Contact

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