

Scientific Organizing Committee:

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Local Organizing Committee:

Thomas Gutberlet
Franziska Michel (Secretary)

Sponsors:

EADS Astrium GmbH
Oerlikon Leybold Vacuum GmbH
Pfeiffer Vacuum GmbH
SwissNeutronics



Front Picture:

Magnon dispersion in charge-orbital ordered $\text{La}_{7/8}\text{Sr}_{1/8}\text{MnO}_3$ measured at DNS. (courtesy W. Schweika, IFF)

Contact:

Forschungszentrum Jülich GmbH
Jülich Centre for Neutron Science at FRM II
Lichtenbergstr. 1
85747 Garching
Germany

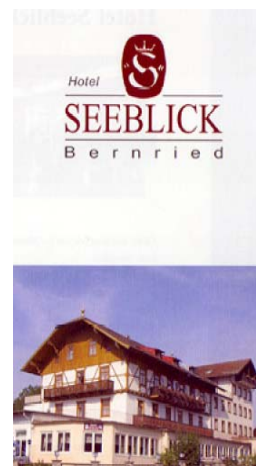
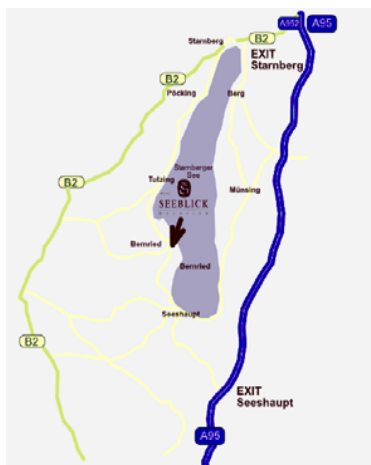
www.jcns.info/Workshop



Location and accommodation:

Conference hotel Hotel Seeblick Bernried at Lake Starnberg
pre-alpes area south of Munich
<http://www.seeblick-bernried.de/>
<http://www.bernried.de/>

Participants will be accommodated on-site at Hotel Seeblick Bernried in standard single rooms. If the number of participants may exceed the available number of rooms, equivalent accommodation in nearby hotels in Bernried will be organized.



Workshop Fee:

The workshop fee will be for
normal participants: 430 EUR
students: 280 EUR

The workshop fee includes full lodging and board at Hotel Seeblick in Bernried, workshop dinner and excursion to FRM II in Munich-Garching (optional).

Workshop fee without accommodation: 250 EUR

Payment via bank transfer to:

Forschungszentrum Jülich GmbH
Sparkasse Düren
Account no. 40030
BLZ 39550110
Title: JCNS Workshop 2008, Auftragsnr. 99000516

IBAN: DE24 3955 0110 0000 0400 30
SWIFT: SDUEDE33

JCNS Workshop 2010

Trends and Perspectives in Neutron Scattering:

Magnetism and Correlated Electron Systems

4 - 7 Oct. 2010, Bernried



www.jcns.info/Workshop



JCNS Workshop 2010

"Trends and Perspectives in Neutron Scattering: Magnetism and Correlated Electron Systems"

4 - 7 Oct. 2010, Bernried

Neutrons have a long standing tradition in the investigation of magnetic phenomena and correlated electron systems due to the magnetic moment of the neutron and the interaction of the neutron with the atomic nucleus, probing matter by weak interaction. Basic understanding of the structure of magnetic materials, origin of magnetism and superconductivity, dynamics in strong correlated electron systems and excitations in condensed matter depend and benefit strongly on investigations with neutrons. Many phenomena in these fields have been investigated und solved by applying neutron scattering techniques.

Continuous development and improvement in neutron instrumentation allowed to study smaller and smaller sample volumes, magnetic nano-materials and excitations with constantly improved energy resolution. Availability of polarized neutrons and 3-dimensional polarisation analysis also at very low temperatures in the mK range and high magnetic fields and high pressure offer unique opportunities in studying magnetism and correlated electron systems with neutrons.

In the present international workshop organized by the Jülich Centre for Neutron Science on Oct. 4 – 7 2010 the current status and future trends and possibilities of neutron scattering methods in studying structure and dynamics in magnetism and correlated electron systems will be discussed.

Topics addressed include:

- Frustrated Magnets
- Quantum and low dimensional magnetism
- Magneto-calorics
- Superconductivity and pnictides
- Multiferroics
- Heavy fermions
- Theory
- New Materials and sample preparation
- Instrumentation

The workshop will consist of invited and submitted oral and poster contributions.

Confirmed invited speakers include:

- Andrew Boothroyd, Oxford University
- Markus Braden, Universität Köln
- Andrew Christianson, ORNL
- Tom Fennel, ILL
- Arsen Goukassov, LLB
- Karl A. Gschneidner Jr., Iowa State University
- Dirk Johrendt, LMU München
- Thomas Keller, MPI Stuttgart
- Daniel Khomskii, Universität Köln
- David Mandrus, ORNL
- Stephen E. Nagler, ORNL
- Christian Pfleiderer, TU München
- Henrik Ronnow, EPFL
- Georg Roth, RWTH Aachen
- David J. Singh, ORNL
- Chris Stock, ISIS
- Oliver Stockert, MPI Dresden
- Yixi Su, JCNS
- Alan Tennant, HZB
- Fangwei Wang, Chinese Academy of Sciences
- Thomas Wolf, KIT

Call for Papers:

Contributions dealing with the topic of the workshop to be presented as oral or poster presentation are requested.

To present your work, please submit an extended abstract headed by title, name(s) and complete address(es) of the author(s) as Word or Open Office document via the workshop web-site

www.jcns.info/Workshop

At the web-side templates can be downloaded.
Please indicate the author who will present the paper.

Deadlines:

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|-----------------------------|--------------|
| Submission of abstracts: | June 28 2010 |
| Notification of acceptance: | July 15 2010 |
| Final registration: | July 28 2010 |

Start of Workshop:

Monday, October 4 2009
10:00 Registration
11:00 Start of scientific program

End of Workshop:

Thursday, October 7 2009
12:30 End of scientific program
13:30 Visit of FRM II
17:00 End of Workshop