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JCNS operates a suite of high performance neutron scattering instruments at the Heinz Maier-Leibnitz Zentrum (MLZ) in Garching near Munich.

Location and Accommodation

Conference center of the Evangelische Akademie Tutzing at lake Starnberg in the area south of Munich.
<http://www.ev-akademie-tutzing.de/en/>
<http://www.tutzing.de>

Attendees will be accommodated on-site at the Conference Center in Tutzing. Single and double rooms are available. If the number of attendees may exceed the available number of rooms, equivalent accommodation in nearby hotels in Tutzing will be organized.



Workshop Fee

Full fee (including on-site lodging): 500 EUR (incl. VAT)
Students: 300 EUR (incl. VAT)

The workshop fee includes full lodging (3 nights) and board at the Evangelische Akademie Tutzing and the workshop dinner.

Workshop fee without accommodation:
300 EUR (incl. VAT).

After registration payment via credit card or bank transfer to:

Forschungszentrum Jülich GmbH
Reference: Reference number JCNS WS 2017 - last name
IBAN: DE 14 3955 0110 0000 33 77 09
SWIFT/BIC: SDUEDE33XXX

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JCNS Workshop 2017

Trends and Perspectives in Neutron Scattering: Probing Structure and Dynamics at Interfaces and Surfaces

10 – 13 October 2017, Tutzing

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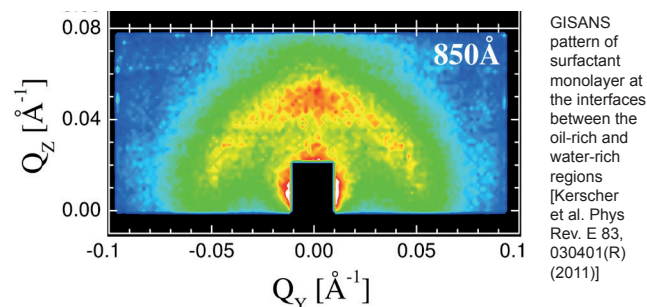
Trends and Perspectives in Neutron Instrumentation: Probing Structure and Dynamics at Interfaces and Surfaces

10 - 13 October, 2017, Tutzing

Evolution of structure and composition at interfaces between materials affects a large variety of intrinsic and functional parameters defining interaction and reaction schemes. The analytical techniques capable of exploring the interfaces are still very limited, and more often only ex situ studies are performed. Neutron techniques are capable of operando studies of interfaces, of visualization of buried interfaces and interactions and of probing interfacial kinetics and dynamics. They have become an extensively growing field of research.

This workshop aims at highlighting recent approaches and developing ideas on the adaptation of neutron reflectometry, small angle neutron scattering, neutron spectroscopy, neutron imaging and depth profiling and neutron spin echo spectroscopy.

The workshop will discuss current requirements and developments in probing surfaces and interfaces using such techniques. In particular the workshop is devoted to novel and upcoming experimental opportunities with various new instruments in operation or planned at neutron facilities to discuss the scientific options and capabilities in this area.



Topics will include

- Surfaces and Interfaces
- Magnetic Interfaces
- Nanostructured Surfaces
- Solid-Liquid Interfaces
- Adsorption and Adhesion
- Liquid-Liquid Interfaces
- Membranes
- Neutron Reflectometry
- Grazing Incidence Neutron Scattering
- Small Angle Neutron Scattering
- Time-of-flight Spectroscopy
- Elastic and Inelastic Scattering
- High Resolution Spectroscopy and NSE
- Neutron Depth Profiling and Imaging
- Time Resolved and In-situ Measurements
- Modelling and Simulation

Confirmed invited speakers

- Robert Cubitt, ILL
- Mike Fitzsimmons, ORNL
- Björgvin Hjörvarson, Uppsalla
- Regine von Klitzing, Darmstadt
- Sean Langridge, ISIS
- Valeria Lauter, ORNL
- Andreas Michels, Luxembourg
- Peter Müller Buschbaum, TUM
- Tommy Nylander, Lund
- Adrian Rennie, Uppsalla
- Maikel Rheinstadter, McMaster
- Stefan Wellert, TU Berlin
- Ali Zarbakhsh, Queen Mary

Call for Papers

Contributions dealing with the topics of the workshop to be presented as oral or poster presentation are requested. To present your work, please submit an abstract headed by title, name(s) and complete address(es) of the author(s) as Word-File via the conference web page.

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At the webpage a template can be downloaded.
Please indicate the author who will present the paper.

Deadlines

Opening of registration	1 May, 2017
Submission of abstracts	15 June, 2017
Notification of acceptance	15 July, 2017
Final registration	1 September, 2017
Payment	1 October, 2017

Beginning of the Workshop

Tuesday, 10 October, 2017
10:00 h Registration is open
13:00 h Opening of the workshop

End of the Workshop

Friday, 13 October, 2017
12:00 h End of the scientific program
13:00 h End of the Workshop

The workshop is supported by



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