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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.  
Visit: [www.mlz-garching.de](http://www.mlz-garching.de)

#### 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: 480 EUR (19% VAT included)  
Students: 275 EUR (19% VAT included)  
The workshop fee includes full lodging (3 nights) and board at the Conference Center, workshop dinner and excursion.  
Workshop fee without accommodation : 250 EUR (19% VAT included).

#### Payment:

After registration an invoice will be sent by e-mail

Details about the payment either by bank transfer or credit card are given in the e-mail and on the invoice.

# JCNS Workshop 2014

## Trends and Perspectives in Neutron Scattering

### From Spallation to Continuous Sources: a Positive Feedback on Neutron Instrumentation

20 – 23 Oct. 2014, Tutzing

[www.fz-juelich.de/jcns/JCNS-Workshop2014](http://www.fz-juelich.de/jcns/JCNS-Workshop2014)

e-mail: [jcns-workshop@fz-juelich.de](mailto:jcns-workshop@fz-juelich.de)

Member of the Helmholtz Association



## JCNS Workshop 2014

# “Trends and Perspectives in Neutron Scattering From Spallation to Continuous Sources: A Positive Feedback on Neutron Instrumentation“

20 - 23 October, 2014, Tutzing

During recent years a number of new instruments have been designed for ISIS, J-PARC and SNS - some of these ideas and experience can be very useful for the instrumentation at continuous sources. The ESS at the horizon should be another trigger to intensify today's instrumentation upgrade. Many years of enormous intellectual efforts of the neutron community aiming the definition of new challenges and developments of the instrumental concepts resulted in new ideas and approaches which cover the whole neutron tract (target, cold sources, neutron delivery systems, instrument components and instrument themselves). The stockpile of knowledge can be fruitfully used for the improvement of the existing instrumentation.

The workshop will be devoted to this issue and bring together neutron scientists working both at spallation and continuous neutron sources to consider the latest instrumental developments for spallation sources through the prism of their use for instrumentation at continuous sources. Challenges met during the construction of the last generation of neutron instruments at continuous sources will be discussed as well.

The workshop will address the following topics

- **Design of cold sources in conjunction with neutron transport systems**
- **Advanced neutron transport systems (e.g. focusing and ballistic optics)**
- **Shielding**
- **Instrument components (detectors, choppers, multi-analyzer systems, etc.)**
- **New instrument concepts**
- **New sample environment (high magnetic fields, etc.)**

The workshop is supported by



[www.fz-juelich.de/jcns](http://www.fz-juelich.de/jcns)

The workshop will include invited and contributed oral presentations and a poster session.

The invited talks by highly recognized members of the neutron instrument design and construction and neutron scattering community will cover the hot trends in the topics of the field. The venue is an ideal site to further discuss and exchange information in a comfortable ambience

Invited speakers include:

- **Annie Brulet (LLB)**
- **Douglas Di Julio (ESS)**
- **Götz Eckold (University Göttingen)**
- **Uwe Filges (PSI)**
- **Bernhard Frick (ILL)**
- **Shane Kennedy (ANSTO)**
- **Jiri Kulda (ILL)**
- **Wiebke Lohstroh (TUM)**
- **Ferenc Mezei (ESS)**
- **Henrik Rønnow (EPFL)**
- **Peter Smeibidl (HZB)**
- **Jochen Stahn (PSI)**
- **Dehong Yu (ANSTO)**

### 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 JCNS web page.

[www.fz-juelich.de/jcns/JCNS-Workshop2014](http://www.fz-juelich.de/jcns/JCNS-Workshop2014)

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

### Deadlines:

Registration and submission of abstracts:	24 August, 2014
Notification of acceptance:	1 September, 2014
Payment:	30 September, 2014

### Beginning of the Workshop:

Monday, 20 October, 2014  
10:00 h Registration  
14:00 h Opening of the workshop

### End of the Workshop:

Thursday, 23 October, 2014  
13:00 h End of the scientific program  
13:00 h Lunch  
15:00 h End of the Workshop

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