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www.fz-juelich.de/jcms/JCMS-Workshop2020



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

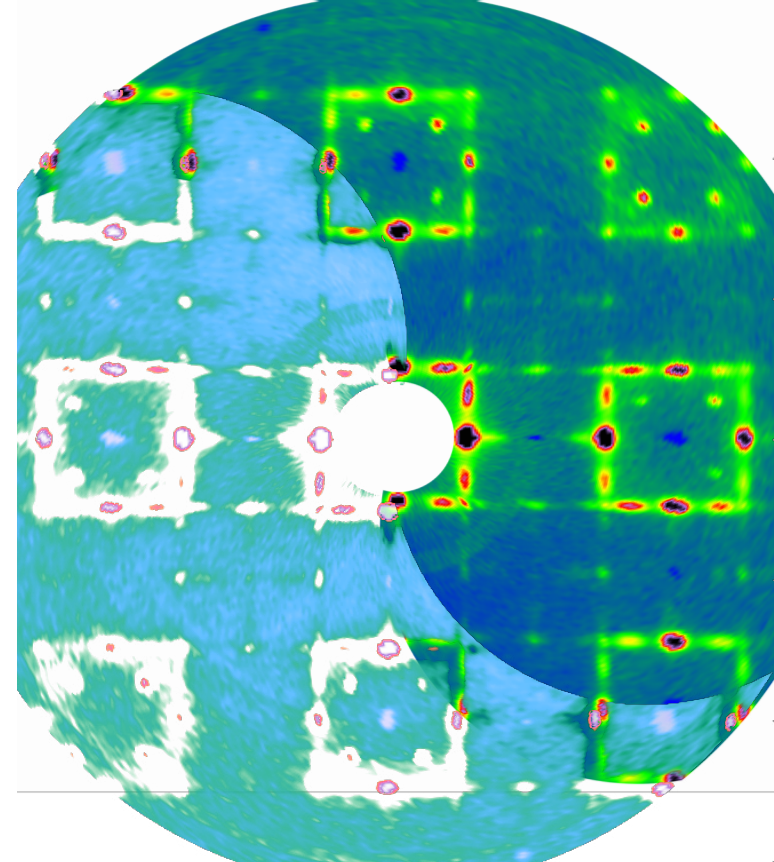
LOCATION AND ACCOMMODATION

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.

CONTACT

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JCMS WORKSHOP 2020

TRENDS AND PERSPECTIVES IN NEUTRON SCATTERING: QUANTUM MATERIALS FROM BULK TO NANO

October 13th - October 16th, 2020 | Tutzing, Germany

PICTURE COVER: Edited neutron scattering pattern of a polarisation analysis in spin flip channel of strontium ferrite.



Mitglied der Helmholtz-Gemeinschaft

JCNS WORKSHOP 2020

A tremendous interest in the fundamental research of quantum materials has been triggered by the recent improvements in superconductivity and magnetism in low dimensions, by the realization of emergent quasi-particles such as skyrmions and magnetic monopoles, as well as by the potential applications of such systems for future information technology. As unique probe for studying magnetism, neutron scattering matches the entire range of length- and time-scales relevant for many novel magnetic and electronic phenomena.

The workshop is devoted to the area of quantum materials in all their forms.

TOPICS WILL INCLUDE

- **Bulk**
- **Frustrated spin systems**
- **Nano and Heterostructures**
- **Low dimensional quantum magnetism**
- **Superconductivity**
- **Models of quantum magnetic systems**
- **Magnetic nanoparticles**
- **Quantum spin liquids**
- **Quantum materials properties at high magnetic fields**
- **Skyrmions**

The workshop will bring together experts with neutron scattering users to discuss recent developments and trends in the understanding of the magnetic properties of quantum materials tackled by neutron methods and complementary techniques.

The workshop will discuss current requirements and developments in such techniques. In particular the workshop is devoted to novel and upcoming experimental opportunities to discuss the scientific options and capabilities.

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

CONFIRMED INVITED SPEAKERS

- **Elizabeth Blackburn (Lund University)**
- **Alexander Grutter (NIST)**
- **Mikhail Feygenson (JCNS)**
- **Nicolas Jaouen (Synchrotron SOLEIL)**
- **Michel Kenzelmann (PSI)**
- **Johannes Knolle (Technical University of Munich)**
- **Evgeny Kravtsov (Russian Academy of Sciences)**
- **Taro Nakajima (ISSP, University of Tokyo)**
- **Asma Qdemat (University of Cologne)**
- **Kathryn Ross (Colorado State University)**

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.

www.fz-juelich.de/jcns/JCNS-Workshop2020

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

DEADLINES

Opening of registration	March 16 th , 2020
Deadline for abstracts	June 1 st , 2020
Notification of acceptance	July 15 th , 2020
Registration deadline	September 1 st , 2020
Payment deadline	October 2 nd , 2020

WE LOOK FORWARD TO WELCOMING YOU IN TUTZING!

We would like to advise you that during the event, photos could be taken that may later be used as public relations material (e.g. in press releases, on our homepage, in reports and advertising material). We may also allow others (e.g. funding and research organizations) to use the material for similar purposes. By registering for this event, you are giving your explicit consent to the publication of such material.

BEGINNING OF THE WORKSHOP

Monday, October 13th, 2020
10:00 h Registration is open
13:00 h Opening of the workshop

END OF THE WORKSHOP

Thursday, October 16th, 2020
12:00 h End of the scientific program
13:00 h End of the workshop

WORKSHOP FEE

Full fee (including onside 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 2020 - last name
IBAN: DE 14 3955 0110 0000 33 77 09
SWIFT/BIC: SDUEDE33XXX