SCIENTIFIC ORGANIZING COMMITTEE

Stephan Förster
Thomas Gutberlet
Margarita Kruteva
Olaf Holderer
Rainer Zorn
Jörg Stellbrink
Aurel Radulescu

LOCAL ORGANIZING COMITTEE

Monika Krug
Ramona Bucher
Paulo Innocente (IT-Support)
Claire Ryalls (IT-Support)

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

LOCATION AND ACCOMMODATION

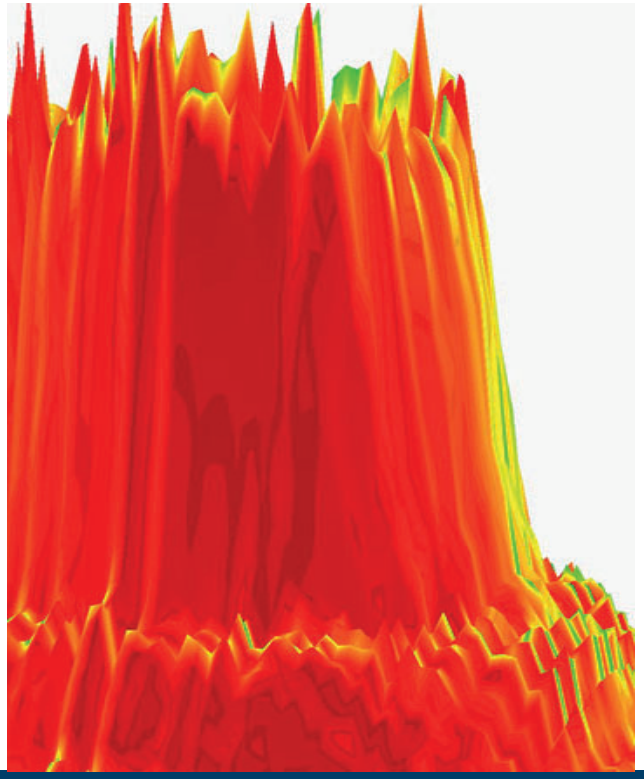
Conference center of the Evangelische Akademie Tutzing at lake Starnberg in the area south of Munich.
http://www.ev-akademie-tutzing.de/en/
http://www.tutzing.de

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.

CONTACT

Jülich Centre for Neutron Science at MLZ
Lichtenbergstr. 1
85747 Garching
Germany
www.fz-juelich.de/jcns

PICTURE COVER: Neutron scattering pattern of distance between colloid particles (S. Gupta et al., Nanoscale, 7, 13924, 2015)



JCNS WORKSHOP 2019

TRENDS AND PERSPECTIVES IN NEUTRON INSTRUMENTATION: PROBING STRUCTURE AND DYNAMICS IN SOFT MATTER

7 October - 10 October 2019 | Tutzing, Germany

Mitglied der Helmholtz-Gemeinschaft

JCNS WORKSHOP 2019

Neutrons are a key probe providing deep insight into the structure and dynamics and thus in the functioning of synthetic and living soft matter. Understanding of the atomic and molecular function of polymers and nanocomposites are tackled by neutron methods, but also the dynamic behavior of soft matter out of equilibrium or in confinement is investigated. Here soft matter also meets biology regarding the structure and function of membrane components, proteins or complex aggregates.

The workshop will bring together experts in neutron scattering methods with users from soft matter and biology to review techniques and provide the opportunity for the community to discuss current limitations, new capabilities, and future developments. 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

TOPICS WILL INCLUDE

- Adaptive and responsive polymers
- Shape memory systems
- Smart polymers
- Sustainable materials
- Nanomaterials
- Complex fluids
- Self assembly
- Time resolved studies
- Pump-probe experiments
- Polymer and membrane dynamics
- Surfaces and Interfaces
- Instruments and sample environment
- Simulation and data analysis

CONFIRMED INVITED SPEAKERS

- Joao Cabral (Imperial College)
- Thomas Hellweg (Uni Bielefeld)
- Tommy Nylander (Lund Uni)
- Christine Papadakis (TU Munich)
- Walter Richtering (RWTH Aachen)
- Frank Schreiber (Uni Tübingen)
- Francesco Stellacci (EPFL)
- Jan Swenson (Chalmers Uni)
- Ilja Voets (TU Eindhoven)

CALL FOR PAPERS

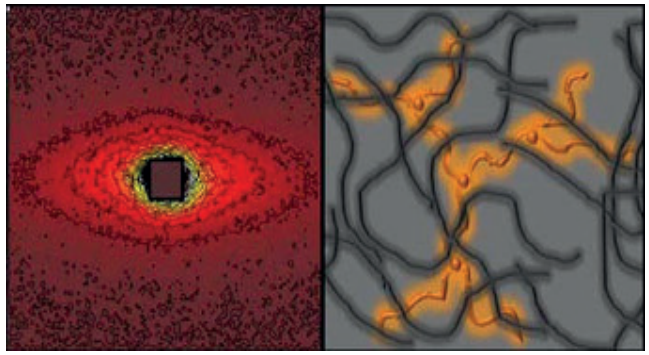
Contributions dealing with the topics of the workshop to be presented as oral or poster presentation are requested. To present your work, please submit an abstract headed by title, name(s) and complete address(es) of the author(s) as Word-File via the conference web page.

www.fz-juelich.de/jcns/JCNS-Workshop2019

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

DEADLINES

Opening of registration	1 April, 2019
Submission of abstracts	15 June, 2019
Notification of acceptance	15 July, 2019
Final registration	1 September, 2019
Payment	1 October, 2019



BEGINNING OF THE WORKSHOP

Monday, 7 October, 2019
10:00 h Registration is open
13:00 h Opening of the workshop

END OF THE WORKSHOP

Thursday, 10 November, 2019
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 2019 - last name
IBAN: DE 14 3955 0110 0000 33 77 09
SWIFT/BIC: SDUEDE33XXX