Summer School 2019

Frontiers in Time-Resolved Science: Spin, Charge and Lattice Dynamics in Condensed Matter

August 19 - 23, 2019
Bad Honnef, Germany

www.uni-due.de/crc1242/summerschool2019

This joint Summer School of the CRC/TRR 173 and CRC 1242 aims at introducing beginning and advanced graduate students to state-of-the-art theoretical and experimental concepts and achievements in this field.

Nowadays, external stimuli such as pulses of light, electrons and magnons are routinely used to drive condensed matter systems into strong non-equilibrium. While a lot has been learned from studying equilibrium situations, there is a quest to fully understand the time evolution of systems in non-equilibrium in order to learn how to steer such systems towards desired outcomes.

The advent of modern time-resolved experimental techniques makes this quest ever more exciting since they allow for accessing the spin, charge and lattice dynamics with femtosecond temporal and nanometer spatial resolution in diverse systems as e.g. magnetic and topological materials or highly-correlated matter.

Venue

PBH - Physikzentrum Bad Honnef
Hauptstrasse 5
D-53604 Bad Honnef, Germany
Tel: +49 2224 90 10 113
www.pbh.de

CRC/TRR 173 • *Spin+X – Spin in its Collective Environment*, Kaiserslautern and Mainz

SPIN+X
SFB/TRR 173

SFB
1242

CRC 1242 • *Non-Equilibrium Dynamics of Condensed Matter in the Time Domain*, Duisburg and Essen

Registration

The number of participants is limited. Please register asap.

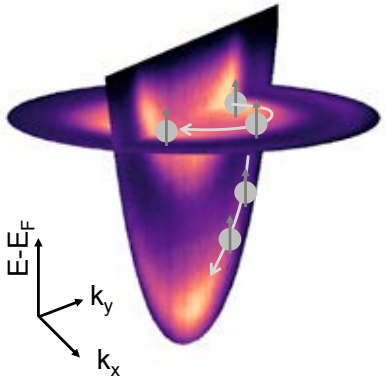
- For registration details, go to: www.uni-due.de/crc1242/summerschool2019
- Interested students please supply a supporting letter from your supervisor via e-mail (sekretariat.hasselbrink@uni-due.de).
- Accepted applicants will be informed by June 15, 2019.

Registration fee

200 € per person including board and logis; payable locally

Lecturers

Christian Flindt, Aalto University, Finland
Tomas Jungwirth, Czech Academy of Science, Prague, Czech Republic
Tobias Kampfrath, Fritz Haber Institute, Berlin, Germany
Reinhard Maurer, University of Warwick, Great Britain
Lukasz Plucinski, Forschungszentrum Jülich, Germany
Helmut Schultheiß, Dresden University of Technology, Germany
Brad Siwick, McGill University, Montreal, Canada
Sangeeta Sharma, Max Born Institute, Berlin, Germany
Søren Ulstrup, Aarhus University, Denmark
Martin Weinelt, Free University of Berlin, Germany



Programme Committee

Eckart Hasselbrink, Essen
Yuriy Mokrousov, Mainz/Jülich
Bärbel Rethfeld, Kaiserslautern
Björn Sothmann, Duisburg

Gefördert durch
DFG Deutsche Forschungsgemeinschaft