



Unified by Light

Joint Symposium of Research Training Groups

Program

- 08.45 Welcome Address
Prof. Dr. Ralf Ludwig, Spokesperson of the RTG 2943
- 09.00 **Prof. Dr. Matthias Beller, LIKAT Rostock**
**"With a little help from my friends -
The importance of working together to address
global challenges"**
- 09.45 PhInt PhD – First results, 2 Talks and Discussion
- 10.25 Short Coffee Break
- 11.00 **Prof. Dr. Marc Nowaczyk, University of Rostock**
"Harnessing Light: Biocatalysis with Cyanobacteria"
- 11.45 PhInt PhD students– First results, 2 Talks and Discussion
- 12.30 Lunch
- 13.30 SPECTRE PhD students/PhInt PhD students –
First results, 4 Talks and Discussion
- 14.30 Short Coffee Break
- 15.00 SPECTRE PhD students – First results, 2 Talks and Discussion
- 15.30 Closing Remarks

The symposium is open for all scientists.

Overview of presentations RTG SPECTRE and RTG PhInt

Time	Speaker	RTG	Title
09:50	Ruihong Cao	PhInt	Poled inorganic glass surfaces: Structure-property correlations and their sensitivity to optical stimulation
10:05	Svetlana Miliutina	PhInt	Investigation of Light-Switchable Azobenzene MOFs with Flexible Porous Frameworks
11:50	Zifei Zhang	PhInt	Second harmonic generation in TMDCs monolayer decorated by photoswitchable azobenzene molecule
12:05	Selena Buzhala	PhInt	Ultrafast Photodynamics of Photoresponsive Amphiphiles in Giant Unilamellar Vesicles
13:30	Soumyakanti Das	PhInt	Modeling Light-Driven Processes with Subsystem Density Functional Theory
13:45	Dr. Chris Rehagen	SPECTRE	Toolbox for Time-Resolved Spectroscopic Studies of Photoinduced Dynamics
14:00	Lukas Prestin	SPECTRE	Using the automated Peak Group Analysis to determine pure component decompositions for FT-IR and Raman spectra
14:15	Zahra Tayebi	SPECTRE	Reactivity of P-Centered Biradicals with Isonitriles: A Computational Study
15:00	David Guterrez	SPECTRE	Heterobimetallic Fe-Cu complexes supported on dipyrin and TPA, a molecular approach for electrochemical CO ₂ reduction
15:15	Simon Walkenhorst	SPECTRE	Early transition metal complex mediated coupling of CO ₂ to oxalate