

08:30 - 09:00 Put up posters

09:00 - 09:10 Welcome and overview Research Area A - Wolfram Sander

Chair: Sander **Conformation and catalysis**

09:10 - 09:30 **Stefan Huber**
Organocatalysis & Recognition @ RESOLV

09:30 - 09:50 **Christian Merten**
Solvation and intermolecular interactions in asymmetric catalysis

09:50 - 10:10 **Christian Müller**
From cyclic tetrapeptides to proteins: Unravelling an underrated noncovalent interaction

10:10 - 10:30 **Thomas Uhlemann**
Microscopic solute-solute and solute-solvent interactions in the sulfonamide drug sulfanilamide

10:30 - 10:50 **Ulf Apfel**
Towards Sustainable Ni- and Fe-based Catalysis. – Selective Reduction of CO₂, Hydrogen Generation, Cross-Coupling Reactions

10:50 - 11:20 Coffee break & poster session

Chair: Marx **Theory and small molecules**

11:20 - 11:40 **Laura Wollny**
Single-conformation spectroscopy of two diastereomeric cyclic peptides

11:40 - 12:00 **Ricardo Perez**
Stepwise Microsolvation of Glycine with Water

12:00 - 12:20 **Dimitrios Pantazis**
The quest for accurate energetics in open-shell systems

12:20 - 12:40 **Felix Uhl**
Improving Quantum Simulation Methods for Ultralow Temperatures

12:40 - 13:00 **Devendra Mani**
Microsolvation in suprafluid helium droplets

13:00 - 14:00 Lunchbuffet & poster session
13:30 - 14:00 RESOLV Mitgliederversammlung

14:00 - 14:20 **Viktoria Däschlein-Geßner**
Carbene complexes in cooperative bond activation reactions

Chair: Nürnberger **Cross Linking Topic 3 / Control of Reactivity by Solvents**

14:20 - 14:40 **Nicolas Plumeré**
Catalysis in solvated polymer films

14:40 - 15:00 **Klaus Merz**
Deuterium Perturbs the Molecular Arrangement in the Solid State

15:00 - 15:20 **Hermann Weingärtner**
Salt effects on protein stability

15:20 - 15:40 **D i s c u s s i o n**

15:40 - 16:10 Coffee break & poster session

Chair: Petermann **Engineering**

16:10 - 16:30 **Gabriele Sadowski**
Solvent influence on reaction equilibria and reaction kinetics

16:30 - 16:50 **Mihaela Ivanova**
Supported Ionic Liquids Phase (SILP) Materials designed in scCO₂

16:50 - 17:10 **Gerrit Dresp**
Analysis of CO₂, N₂ and CH₄ solvation in [EMIM][DCA] and [BMIM][BF₄] under forced flow atmospheres

17:10 - 17:30 **Markus Richter**
Surface Phenomena and their Influence on Thermodynamic Property Measurements

17:30 - 17:50 Coffee break & Poster session

Chair: Huber **Carbenes and Reactivity**

17:50 - 18:10 **Stefan Henkel**
Controlling Carbene Reactivity via Solvent Interactions

18:10 - 18:30 **Pandian Sokkar**
Effect of the solvent on reactive intermediates: Diphenylcarbene

18:30 - 18:50 **Thomas Lohmiller**
Reversible Spin-State Interconversion and Triplet-State Structure of Bis(p-methoxyphenyl)carbene

18:50 - 19:10 **Patrick Nürnberger**
Inter- and Intramolecular Charge Transfer Reactions affected by the Solvent Environment