

Symposium on Chemical Bond Activation Schedule

Monday March 11th 2019

11.00–15.00	Registration
13.00	Welcome
13.15	Prof. Dr. Horst Kisch University of Erlangen-Nürnberg SEMICONDUCTOR PHOTOCATALYSIS – BASIC MECHANISTIC AND SYNTHETIC ASPECTS
14.00	L. Gerhards Carl von Ossietzky University Oldenburg CH-Bond Activation via electronically excited SO₂ on TiO₂-Anatase-(101) and -Rutile-(110) <i>Ab Initio</i> Electronic Structure Investigation
14.20	J. Kräuter Carl von Ossietzky University Oldenburg Reaction Studies on Titania Rutile(110): Thermal vs. Photo Catalysis
14.40	Coffee Break
15.00	Prof. Dr. Karsten Reuter Technical University of Munich A look through the operando glass: First-principles based multiscale modeling of working catalysts
15.45	L. Mohrhusen Carl von Ossietzky University Oldenburg Defect dependent adsorption of organic molecules on tungsten oxide clusters on rutile TiO₂
16.05	T. Teusch Carl von Ossietzky University Oldenburg Quantum Chemical Investigations of Water splitting on Tungsten Trioxide

16.25	Coffee Break
16.45	Dr. Lutz Greb Universität Heidelberg Enhanced reactivity of silicon(IV) by strong substituent effects
17.30	J.-H. Bölte <i>Brandenburg University of Technology Cottbus – Senftenberg</i> Influence of heteroatoms in porous carbon catalysts on the oxidation of aqueous sulfurous acid to sulfuric acid
17.50	M. Fischer Carl von Ossietzky University Oldenburg Teaching the CH₂SiMe₃ moiety new tricks: Selective methyl group abstraction at the SiMe₃ unit to give novel cationic titanium complexes
18.30	Poster Session

Tuesday March 12th 2019

9.15	Prof. Dr. Siegfried R. Waldvogel <i>Johannes Gutenberg University Mainz</i> Electrifying Organic Synthesis
10.00	F. Waidhas Friedrich-Alexander University Erlangen-Nürnberg (FAU) Solar Energy Storage in Strained Organic Molecules: Photoelectrochemical In-Situ IR Spectroscopy of Electrochemically Controlled Norbornadiene Systems
10.20	O. Brummel Friedrich-Alexander University Erlangen-Nürnberg (FAU) Secondary Alcohols as Rechargeable Electrofuels: Electrooxidation of 2-Propanol at Pt-Based Electrodes
10.40	P. Buhani Carl von Ossietzky University Oldenburg Gold Superparticles with Significantly Red-Shifted Plasmon Resonance
11.00	Coffee Break

11.20

Prof. Dr. Johannes F. Teichert

Technische Universität Berlin

**Heterolytic Splitting of Dihydrogen with Copper Complexes -
Replacing Complex Hydrides with H₂**

12.05

L. Stelter

Carl von Ossietzky University Oldenburg

**Theoretical Studies on the Hydroaminoalkylation of Alkenes with Primary
and Secondary Amines**

12.25

N. Mitschke

Carl von Ossietzky University Oldenburg

**Anaerobic Degradation of Diethyl Ether by the Denitrifying
Bacterium HxN1**

13.05

Prof. Dr. Bernard T. Golding

Newcastle University

C-H Cleavage: Enzymes, Models and the Origin of Life
