

Lower Saxony Catalysis Symposium

Niedersächsisches Katalyse Symposium (NiKaS)

Georg-August-University Göttingen, 16th and 17th October 2014

Thursday, 16th October 2014

Until 11:45 **Arrival and Reception**

Session 1 (Session Chair: Svenja Warratz)

11:45 – 12:00 **Welcome/Introduction** (Prof. Franc Meyer)

12:00 – 12:45 **Prof. Ruben Martin** (ICIQ Tarragona)
Metal-catalyzed Activation of C-O Bonds and Carbon Dioxide

12:45 – 13:45 **Lunch**

Session 2 (Session Chair: Arne Glüer)

13:45 – 14:30 **Prof. Gerhard Erker** (University Münster)
Frustrated Lewis Pair Chemistry: Principles and Some Recent Results

14:30 – 15:15 **Prof. Nilay Hazari** (Yale University, USA)
Mechanism Guided Improvement of Pd(II) Precatalysts for Cross-Coupling

15:15 **Photo**

15:30 – 16:00 **Coffee Break**

Session 3 (Session Chair: Ingo Köhne)

16:00 – 16:20 **Dr. Ulrich Wietelmann** (Rockwood Lithium GmbH, Frankfurt)
Functionalized Lithium Initiators for Novel Synthetic Rubber Products

16:20 – 17:05 **Priv.-Doz. Dr. Jan Paradies** (KIT Karlsruhe)
From Transitionmetal Complexes to Frustration – C-X Cross Couplings and Metal-free Hydrogenations

17:05 – 17:50 **Dr. Ronald Hage** (Catexel, Leiden)
Manganese and Iron oxidation and bleach catalysts and their relevance to industry

17:50 **Poster session**

20:00 **Evening activities at Göttingen city center**

Friday, 17th October 2014

Session 4 (Session Chair: Hendrik Schröder)

- 8:45 – 9:30 **Prof. Charlotte K. Williams** (Imperial College London)
Catalytic Activation of Renewable Resources for Polymers
- 9:30 – 10:15 **Prof. Rinaldo Poli** (LCC Toulouse)
A new platform for aqueous biphasic catalysis through controlled radical polymerization
- 10:15 – 10:45 Coffee break**

Session 5 (Session Chair: Stefan Resch)

- 10:45 – 11:30 **Prof. James M. Mayer** (Yale University, USA)
Redox Reactivity of Colloidal Oxide Nanoparticles
- 11:30 – 12:15 **Prof. Fritz E. Kühn** (TU München)
Transition Metal Complexes for Oxidation Catalysis
- 12:15 – 13:15 Lunch**

Session 6 (Session Chair: Mike Schütze)

- 13:15 – 14:00 **Prof. Theodor Agapie** (Caltech, USA)
Synthetic Cluster Models of Biological and Heterogeneous Oxygen Evolving Catalysts
- 14:00 – 14:45 **Prof. Werner Thiel** (TU Kaiserslautern)
C-H-Activation in the Ligand Sphere of Transition Metal Catalysts
- 14:45 **Farewells**
- 15:00 Departure**