

Lower Saxony Catalysis Symposium

Niedersächsisches Katalyse Symposium (NiKaS)

Georg-August-University Göttingen, 18th and 19th October 2012

Thursday, 18th October 2012

Until 11:30 **Arrival and Reception**

Session 1 (Session Chair: Ann-Christin Pöppler)

11:30 – 11:45 **Welcome/Introduction** (Prof. Franc Meyer)

11:45 – 12:30 **Prof. Peter Hofmann** (University Heidelberg)

Hydroformylation: from Theory, Mechanism and HT-Screening to Novel Ligand Lead Structures for Efficient Rhodium Catalysis

12:30 – 14:00 **Lunch**

Session 2 (Session Chair: Michael Ainooson)

14:00 – 14:45 **Dr. George Britovsek** (Imperial College London)

Metal-Ligand Cooperativity in Carbonylation Catalysis

14:45 – 15:30 **Prof. Piet van Leeuwen** (ICIQ Tarragona)

Wide Bite Angle Ligands in Catalysis

15:30 **Photo**

15:45-16:15 **Coffee Break**

Session 3 (Session Chair: Nicolai Sörensen)

16:15 – 17:00 **Dr. Wesley R. Browne** (University of Groningen)

Mechanistic studies into the oxidation of alkenes with H₂O₂ by an in situ prepared Mn(II) catalyst and the role of ketones in activating H₂O₂

17:00 – 17:45 **Dr. Henrique Teles** (BASF Ludwigshafen)

HPPO – The new BASF propylene oxide process

17:45 – 19:30 **Poster session**

19:30 **Dinner and get together**

Friday, 19th October 2012

Session 4 (Session Chair: Christoph Kornhaaß)

- 9:00 – 9:45 **Prof. Andreas Pfaltz** (University of Basel)
Combinatorial Strategies in Asymmetric Catalysis Based on Mass Spectrometric Screening
- 9:45 – 10:30 **Prof. Xile Hu** (EPFL Lausanne)
Cross coupling of alkyl electrophiles and direct alkylation using base metal catalysis
- 10:30 – 11:00 Coffee break**

Session 5 (Session Chair: Phani Kumar Nekkanti)

- 11:00 – 11:45 **Prof. Ingo Krossing** (University Freiburg)
Enabling Chemistry with Weakly Coordinating Anions
- 11:45 – 12:30 **Prof. Michael Meier** (Karlsruhe Institute of Technology)
Efficient (catalytic) approaches to plant oil derived renewable monomers and polymers
- 12:30 – 14:00 Lunch**

Session 6 (Session Chair: Emelyne Diers)

- 14:00 – 14:45 **Prof. Armido Studer** (University Münster)
Nitroxides and Quinones as mild Oxidants in Catalysis
- 14:45 – 14:55 **Poster Award** (Prof. Matthias Tamm, TU Braunschweig)
- 14:55 – 15:00 **Farewells**
- 15:00 Departure**