

Hanse Chemistry Symposium 2018

A collective event of The Leibniz Institut für Katalyse, the University of Rostock and the Stratingh Institute for Chemistry of The University of Groningen

November 07, 2018 Aula in the main university building (HRO, Universitätsplatz 1)

13:00	Opening Hans de Vries / Udo Kragl / Matthias Beller <u>Chair: Beller</u>
13:30 – 14:15	Adriaan Minnaard (RUG), <i>Site selective catalysis in unprotected carbohydrates.</i>
14:15 – 15:00	Udo Kragl (U-R), <i>Ionic liquids as tool in bio- and chemicatalysis</i>
15:00 -15:45	Katalin Barta (RUG), <i>Complete lignocellulose conversion with integrated catalyst recycling – toward valuable aromatics and fuels.</i>
15:45 - 16:30	Hans de Vries (LIKAT), <i>New developments in homogeneous hydrogenation.</i>
16:30	Coffee break
17:00	Welcome by the Rector of the University of Rostock, Prof. Dr. Wolfgang Schareck
17:15	Lecture by the 2016 Nobel laureate of chemistry Prof. Dr. Bernhard L. Feringa (RUG) <i>Exploring chiral space in catalysis.</i>
18:15	Discussion with Prof. Feringa
18:30	Speaker-Dinner (Speakers Rostock plus participants from Groningen)

November 08, 2018 in the LIKAT (HRO, Albert-Einstein-Str. 29a, R 1.301)

Chair: Barta

08:30 – 09:15 Peter Deuss (RUG), *Valuable chemical products from lignocellulosic biomass; a focus on lignin*

09:15 – 09:35 Jennifer Strunk (LIKAT), *Insights into Photocatalytic Reaction Mechanisms and Active Sites by Systematic Studies under Controlled Reaction Conditions.*

09:35 – 09:55 Johannes Klein (RUG), *Electron Flow in Chemical Transformations: From Hidden Intermediates to Unexpected Reactivity*

09:55 – 10:15 Thomas Werner (LIKAT), *Phosphonium salt catalyzed CO₂ utilization*

10:15 – 11:00 Coffee + Posters

Chair: de Vries

11:00 – 11:45 Wesley Browne (RUG), *Time resolved and resonance Raman spectroscopy in the elucidation of mechanisms in transition metal catalyzed oxidative transformations.*

11:45 – 12:25 Malte Braszholz (UR), *Photocatalysis with ruthenium, iridium and quinone dyes*

12:25 – 12:45 Beibei Guo (Otten group, RUG), *Water addition to α,β -unsaturated nitriles catalyzed by a ruthenium-Pincer complex*

12:45 – 13:45 Uhr Lunch + Posters

Chair: Deuss

13:45 – 14:30 Matthias Beller (LIKAT), *Building bridges between homogeneous and heterogeneous catalysis*

14:30 – 14:50 Dr. Noemi Deak (Barta group, RUG): *Sulphur based pincer ligands for the stabilization of metallocenes.*

14:50 – 15:10 Francesca Milocco (Otten group, RUG), *Mono(formazanate) ferrate(II) catalysts for CO₂ conversion into cyclic carbonates*

15:10 – 15:30 Torsten Beweries (LIKAT), *1,3-Dithioallenes as ligand precursors for group 4 metallocene coordination chemistry and catalysis.*

15:30 – 15:50 Paul Kamer (LIKAT), *Artificial metalloenzymes for carbonylation chemistry*

15:50 - 15:55 Farewell

15:55 Soup (only Participants from Groningen)