

Thursday 26.04.2012

3. Session (chairman: Stephan Enthaler)

- 13.00-14.00 John F. Hartwig
"Chemistry from the first row"
- 14.00-14.25 Battist Rábay, Thomas Braun
"Photocatalytic Dehydrogenation of Alkanes in Perfluorinated Solvents"
- 14.25-14.50 Kristine Mütter, Ruth K. Schmidt, Hendrik F. T. Klare, Roland Fröhlich, Klaus Bergander, Christian Mück-Lichtenfeld, Stefan Grimme, Martin Oestreich
"Ferrocene-Stabilized Silylium Ions: Structure and Reactivity"
- 14.50-15.30 Coffee break
- 15.30-15.55 Florian Heims
"Investigations on the Influence of Asymmetry on the O-O Bond Cleavage in a Methane Monooxygenase Model System"
- 15.55-16.20 Patrick S. Hanley
"Reductive Elimination of Alkylamines from Low-Valent Alkylamido Palladium(II) Complexes"
- 16.20-16.45 Miriam Stoelzel, Carsten Präsang, Stephan Enthaler, Matthias Driess
"Hydrosilylation with a Si(II)-Hydride Compound"
- 16.45-17.10 Seungwoo Hong, Yong-Min Lee, Shunichi Fukuzumi, Wonwoo Nam
"Dioxygen Activation by Mononuclear Nonheme Iron(II) Complexes for the Generation of Iron(IV)-Oxo"
- 17.10-17.30 Award Ceremony and closing remarks



UniCat Workshop "Challenges in Molecular Catalysis"

25-26 April 2012 at the Technical University Berlin
Lecture Hall C243

Invited speakers

Prof. Dr. John F. Hartwig (University of California)
Prof. Dr. Wonwoo Nam (Ewha Womans University)
Prof. Dr. Kilian Mufiz (ICIQ)



Organised by:

Dr. Stephan Enthaler	(TU Berlin)
Dr. Matthias Schwalbe	(HU Berlin)
Dr. Kallol Ray	(HU Berlin)

Preliminary Scientific Program

Wednesday 25.04.2012

13.00-13.15 Matthias Schwalbe

Opening remarks

1. Session (chairman: Matthias Schwalbe)

13.15-14.15 Kilian Muñiz

"Palladium-Catalysed Intermolecular 1,2-Diamination of Alkenes"

14.15-14.40 Dipti S. Kundu, Arne Thomas, Siegfried Blechert

"Heterogeneous Asymmetric Organocatalysis with Microporous Organic Polymers"

14.40-15.05 Chika I. Someya, Stephan Enthaler

"Synthetic and mechanistic studies on nickel-catalyzed C(sp²)-C(sp³) bond formations applying well-defined nickel complexes modified by tridentate O,N,O'-ligands"

15.05-15.30 Nibadita Purkait, Siegfried Blechert

"Hydroamination and Metathesis: Consecutive C-N and C-C Bond Formation"

15.30-16.00 Coffee break

Wednesday 25.04.2012

2. Session (chairman: Kallol Ray)

16.00-17.00 Wonwoo Nam

"Biomimetic metal-oxygen intermediates in dioxygen activation chemistry"

17.00-17.25 Burkhard Butschke, Helmut Schwarz

"Oxidative Dehydrogenation of Alkanes at Gaseous Platinum Complexes"

17.25-17.50 Jonathan Kirsch Andrea La Mela, Kilian Muñiz

"Defined Iodine(III) Reagents for Metal-Free Amination Reactions"

17.50-18.15 Bettina Horn, Christian Limberg

"The Conversion of Nickel-Bound CO into an Acetyl Thioester - New Insights into the Function of the Acetyl Coenzyme A Synthase Active Site"

18.30-20.30 Poster session with buffet