

Joint Workshop of  
PhD Program “Catalysis for Sustainable Synthesis“(CaSuS) and  
Landesforschungsschwerpunkt “Nanostrukturierte Katalysatoren für eine  
effizientere Nutzung von Rohstoffen”(NanoKat)

27<sup>th</sup> - 29<sup>th</sup> June 2012, Haus Höhenblick, Braunfels

**Wednesday, 27<sup>th</sup> June 2012**

**12:00**                      **Arrival**

**12:15**                      **Lunch**

**Chair: Michael Ainooson**

13:25                      **Welcome** (Organizing Team)

13:30 – 13:45            **Prof. Franc Meyer** (Introduction of CaSuS)

13:45 – 14:00            **Prof. Werner Thiel** (Introduction of NanoKat)

14:00 – 14:30            **Simon Walg** (NanoKat)

Functionalized Bispyrimidinylpyridines as Ligands for the Hydrogenation of Carbon Dioxide

14:30 – 15:00            **Muxin Han** (CaSuS)

Self-Assembled Coordination Cages and Their Structural Control by Subtle Ligand Variation

**15:00 – 15:30**            **Coffee Break**

**Chair: Christian Kerner**

15:30 – 16:30            **Jun.-Prof. Frederic W. Patureau** (Kaiserslautern)

Cooperativity and carboxylate ligands in modern cross-dehydrogenative C-H activation couplings

16:30 – 17:00            **Tongxun Guo** (CaSuS)

Pyrazole-Bridged Bis-(N-Heterocyclic Carbene) Ligands and their Bimetallic Palladium Complexes – Formation of Normal versus Abnormal Carbene Complexes

**17:00 – 18:00**            **Postersession**

**18:00 – 18:45**            **Dinner**

**18:45**                      **Postersession**

**Afterwards**              **Walk to Braunfels castle / EM**

## Thursday, 28<sup>th</sup> June 2012

**08:30 – 09:15**            **Breakfast**

**Chair: Christoph Kornhaaß**

09:15 – 09:45            **Sabrina Baader** (NanoKat)  
Isomerizing Olefin Metathesis

09:45 – 10:15            **Emelyne Diers** (CaSuS)  
Ruthenium-Catalyzed Direct C-H Bond Arylations of Arenes Bearing  
Removable Directing Groups

**10:15**                    **Photo**

**10:30 – 11:00**            **Coffee Break**

**Chair: Arne Wolpers**

11:00 – 11:30            **Nicolai Sørensen** (CaSuS)  
Atom Transfer Radical Polymerization – Determination of Deactivation Rate  
Coefficient via Online EPR-Detection

11:30 – 12:00            **Cornelia Panse** (CaSuS)  
IHF Mimicking Peptides: Sequence Specific Binding, Bending and Potential  
cis-Platinum Therapeutics

**12:15 – 13:15**            **Lunch**

**Chair: Patrizia Mamone**

13:15 – 13:45            **Maike Dönges** (NanoKat)  
On the Reactivity and Selectivity in Peroxide-based Alkenol Oxidation for  
Tetrahydrofuran Synthesis catalyzed by Vanadium(V) complexes

13:45 – 14:15            **Torben Böhnisch** (CaSuS)  
C<sub>2</sub>-Symmetric Pyrazolate-Bridged Bis(oxazoline) Ligands: New Scaffolds for  
Bimetallic Asymmetric Catalysis

**14:30 – 18:30**            **Canoe trip**

**19:00 – 19:30**            **Dinner**

**19:30**                    **Postersession**

**Afterwards**            **Get together / EM**

## Friday, 19<sup>th</sup> June 2012

**08:30 – 09:15**            **Breakfast**

**Chair: Ann-Christin Pöppler**

09:15 – 10:15            **Prof. Sven Schneider** (Göttingen)  
Late Transition Metal Amido Pincer Platforms For Nitrogen Fixation Model  
Chemistry

10:15 – 10:45            **Elena Carl** (CaSuS)  
Metal Complexes of Polyimido Phosphanyl Sulfur Ligands

**10:45 – 11:15**            **Coffee Break**

**Chair: Dirk Schaffner**

11:15 – 11:45            **Christian Maaß** (CaSuS)  
Does Size Really Matter?

11:45 – 12:15            **Agnes Fizia** (NanoKat)  
C-H Activation as a Key Step for Catalytic Activity

**12:15 – 13:15**            **Lunch**

**13:30**                    **Departure**