NORTHWESTERN UNIVERSITY

unicat

Joint Meeting of UniCat and Northwestern University, Evanston, USA
March 18-19, 2013

Freie Universität Berlin, Institute of Chemistry and Biochemistry
Takustraße 3, 14195 Berlin-Dahlem, Lecture Hall (ground floor)

Monday, March 18th

08:30	*Registration*	
09:00	*Matthias Driess*	Welcome
09:10	*Mike Bedzyk*	An X-ray atomic-scale view of oxide supported catalysts
09:50	*Joachim Sauer*	Storage and activation of hydrocarbons - ab initio approach
10:30	*Peter Stair*	The scope and flexibility of atomic layer deposition for catalyst sythesis
11:10	Coffee break	
11:40	*Harold Kung*	Modifying Catalytic Properties with Interfaces and Local Structures
12:20	*Hajo Freund*	Model Catalysts for Oxidation Reactions: Are Dopants in Simple Oxides relevant?
13:00	Lunch	
14:30	*Martin Oestreich*	Biologically Inspired Si-H Bond Activation for Catalysis
15:10	*Justin Notestein*	Controlling the nanospace around oxide catalysts: additives, hybrid surfaces, and nanocavities
15:50	Coffee	
16:20	*Reinhard Schomäcker*	Kinetic modelling and reaction engineering of the oxidative coupling of methane
17:00	*Tobin Marks*	New Catalytic Approaches to Cleaving Challenging Bonds: C-O and C-H
17:40	*Christian Limberg*	Biomimetic and Bioinspired Complexes for the Functional Modeling of Nickel-based Oxidoreductases
18:20	End	

Tuesday, March 19th

09:00	*Rick Van Duyne*	Surface-enhanced Raman spectroscopy (SERS) and Tip-Enhanced Raman Spectroscopy (TERS) for Catalysis
09:40	*Peter Hildebrandt*	Vibrational spectroscopies for studying (bio)catalytic processes
10:20	*Franz M. Geiger*	Supported Palladium Nanoparticle Catalysts under Cyclohexane/Hexanol/Hexanoic Acid Solutions Studied by Vibrational Sum Frequency Generation
11:00	*Michael Wasielewski*	Artificial Photosynthesis: Integrating Light Capture with Catalysis
11:40	Coffee break	
12:20	*Holger Dau*	Water oxidation: From biology to amorphous electrocatalysts
13:00	*Amy Rosenzweig*	Biological methane oxidation
13:40	Lunch	
15:10	*Holger Dobbek*	On the role of Fe, Co and Ni in the bacterial life on CO and CO_2
15:50	*Oliver Lenz*	Biocatalytic activation of H_2
16:30	Coffee break	
17:00	*Concluding Discussion*	
18:00	End	