

Schedule Retreat Hotel Döllnsee Schorfheide on June 15/16.2023 - Status June 12, 2023 -

Time	Name	Supervisor(s)	Tentative presentation titles	Batch
Thursday 15.6.2023				
08:30	Departure per bus		Meeting point: 08:15 between old chemistry building and main building of TU	
10:30	Arrival Hotel – Room		Moderation: Oestreich	
11:00-11:30	Wanli	Ray/Kaupp	Pd catalysed sp_2 C-H carbonylation	WS21
11:30-12:00	Amanda	Ray/Dobbek	Small molecule activation regulated by secondary coordination within artificial non-heme metalloproteins	WS21
12:00-12:30	Jesvita	Braun/Kaupp	NCP pincer iridium complexes for transfer dehydrogenation reactions of alkanes ¹	WS21
12.30-13:30	Lunch		Moderation: Braun	
13:30-14:00	Hongyuan	Driess/ Chaudret	In-situ Reconstruction of helical iron borophosphate precatalyst towards durable industrial alkaline water electrolysis and selective oxidation of alcohols	WS20
14:00-14:30	Haopeng	Oestreich/ Kaupp	Synthesis, characterization, and reactivity of an intramolecular copper-hydrosilane adduct in a cationic complex	WS20
14:30-15:00	Yi	Oestreich	$B(C_6F_5)_3$ -catalyzed regioselective ring opening of cyclic amines with hydrosilanes	WS20
15:00-15:20	Coffee break		Moderation: Ray	
15:20-15:50	Zhi-Yuan	Oestreich	Copper-catalysed highly enantioselective addition of a silicon nucleophile to 3-substituted 2H-azirines using an Si-B reagent	WS20
15:50-16:20	Honghua	Oestreich	Intramolecular 7-endo-dig-selective carbosilylation of internal alkynes involving silylium-ion regeneration	WS21
16:20-16:50	Coffee break		Moderation: Lonjaret	
16:50-18:00	Dr. Benjamin Steininger	-	Catalysis – More than Chemistry! Presentation of a planned workshop series on the history of catalysis in the modern era and its impact on societies and ecologies on a planetary scale.	
19:00-20:00	Dinner			
20:00-22:30	Interactions			

Friday 16.6.2022			Moderation: Thomas	
09:30-10:00	Zohreh	Risse/Frei	Operando and in-situ microwave absorption studies of heterogeneous Cu/ZnO:Al and Ni/silica catalysts	WS20
10:00-10:30	Hüseyin	Thomas/Bojdys	Boron containing microporous polymer networks for photocatalytic hydrogen evolution and carbon dioxide reduction reactions	WS20
10:30-11:00	Emiliano	Gurlo/Lenz	Effect of the catalyst geometry in CO ₂ to Methanol reactions	WS20
11:00-11:20	Coffee break		Moderation: Risse	
11:20-11:50	Shima	Dau/Strasser	investigation of redox reaction kinetics in Co-based electrocatalyst by time-resolved X-ray and visible-light absorption spectroscopy	WS21
11:50-12:20	Nicole	Sauer/Keller	Water Adsorption in the Metal-Organic Framework Mg-MOF-74: Ab Initio Prediction of Gibbs Free Energies and Isotherms	WS21
12:30-13:30	Lunch		Moderation: Mroginski	
13:30-14:00	Younes	Matera/Klein/ Fuhrmann	Multiscale simulation of nanostructured electrocatalytic systems by coupling neural network surrogates and continuum models	WS20
14:00-14:30	Yiqing	Kneipp/Arenz	Probing lipids as enzymatic products in cellular metabolism	WS20
14:30-14:50	Coffee break		Moderation: Kneipp	
14:50-15:20	Cornelius	Horch/Zebger	Investigation of O ₂ tolerant NAD ⁺ -reducing [NiFe] hydrogenases by two-dimensional and computational spectroscopy	WS21
15:20-15:50	Victor	Zebger/ Leimkühler	Artificial biocatalysis with biologically or chemically synthesized Molybdenum cofactors	WS21
16:15/16:30	Departure by bus			
Approx. 17:30/18:00	Berlin			