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Unifying Concepts in Catalysis

UniCat Minisymposium: Research Area E2/D2

(Bio)Chemistry of COx conversions

Monday, June 23rd, 2014 at the TU Berlin

Gerhart-Ertl-Center, Building BEL, Marchstraße 6, 10623 Berlin, BEL 301

09:00	Silke Leimkühler	Welcome
09:15	Julia Dendra (AG Dobbek)	On the track of the ACS structure and function elucidation
09:45	Peer Schrapers (AG Dau/Haumann)	Cobalamine systems studied by X-ray spectroscopy and DFT
10:15	Alexandre Ciaccafava (AG Hildebrandt/Zebger)	Reinvestigating the cyanide inhibition of CODH by infrared spectroscopic studies
10:45	*Coffee break*	
11:00	Tobias Hartmann (AG Leimkühler)	The reaction mechanism of formate dehydrogenase from Rhodobacter capsulatus
11:30	*AG Wollenberger*	Electrocatalytic reaction of RcFDH
12:00	*AG Mroginski*	Computational studies on the CODH , FDH, and HTHP
12:30	*Lunch*	
14:00	*AG Fischer*	TBA
14:30	AG Bittl/Teutloff	TBA
15:00	*Teresa Santos Silva (Clara Immerwahr Awardee)*	X-rays for the structural characterization of protein-ligand interactions
15:30	*Coffee break*	
15:45	*Betti Horn (AG Limberg)*	Activation of COx at beta diketiminato-nickel compounds
16:15	Shenglai Yao (AG Driess)	Progress of Reduction of CO2 by Synthetic Models for CO Dehydrogenases (CODHs) and Silyl-Copper(I) Systems
16:45	*Shadan Ghassemi (AG Kaupp)*	DFT-Studies on the C-Cluster from Ni,Fe-CODH
17:15	DFT-Studies on the C-Cluster from Ni,Fe-CODH	Closing remarks

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