

Modern Concepts in Catalysis: From Science to Engineering

The South-West-German Catalysis Course (Südwestdeutscher Katalyse-Lehrverbund) 18.-21.09.2023 in Heidelberg

	Mo, 18.9.	Tu, 19.9.	We, 20.9.	Th, 21.9.
8:30		Operando characterization (Jan-Dierk Grunwaldt, KIT)	"Industrial Syngas Chemistry" (Nils Botke & Martin Kraus, BASF)	Computational Catalysis (Felix Studt, KIT)
9:00				
9:30				
10:00		Coffee	Coffee	Coffee
10:30	Welcome & Workshop (Participants get together & presentation)	Synthesis and characterization of porous catalysts – A case study on metal-organic frameworks (Wolfgang Kleist, TUK)	Catalyst development on different scales: from bench top to commercialization (Nicole Wilde, Evonik)	Electrocatalysis / Non-noble electrocatalysts (Ulrike Kramm, TUD)
11:00				
11:30				
12:00				
12:30	Lunch	Lunch	Lunch	Lunch
13:00				
13:30	Novel synthesis strategies towards catalysts (Michael Türk, KIT)	Industrial Catalysis on Bio- Renewables (Sebastian Kunz, Südzucker)	Scale bridging catalyst development: From powder to pellet, from batch to conti (Moritz Wolf, KIT)	Feedback round and summary
14:00				
14:30				
15:00	Coffee	Coffee	Team Building Event (Hike – weather dependent)	
15:30	Operando vibrational spectroscopies (Christian Hess, TUD)	Kinetic/Reactor Modelling & Ostwald process (Martin Votsmeier, Umicore/TUD)		
16:00				
16:30				
17:00	Break	Break		
17:30	Poster Session	Discussion or additional contribution, RDM – experience exchange?		
18:00				
18:30				
19:00				
19:30	Dinner	Dinner	Dinner - Extern	
20:00				