

CATACT Workshop: Program

Wednesday 20.09.2017

10:00	Registration	
11:00	Welcome	J. Blümer, KIT Bereichsleitung 5
11:15	Presentation ANKA / IBPT 20+5	A.-S. Müller (KIT-IBPT) <i>Overview on the synchrotron-related facilities at KIT</i>
11:40	Presentation CAT-ACT 20+5	J.-D. Grunwaldt, J. Rothe <i>CAT-ACT: The new catalysis-actinide beamline at KIT</i>
12:05	Presentation Beamline Technology 20+5	Andrew Rimmer/Scott Mowat (FMB Oxford)
12:30	WORKING LUNCH with Posters	Sandwiches and drinks at the venue
13:25	Plenary Catalysis 40+5	R. Frahm (Uni Wuppertal) <i>XAS and catalysis: An ideal symbiosis for operando research</i>
14:10	In-house Actinides 20+5	T. Vitova (KIT-INE) <i>HR-XANES studies at the actinide M4,5 edges</i>
14:35	In-house Catalysis 20+5	H. Lichtenberg, A. Zimina (KIT-IKFT/ITCP) <i>Operando studies on catalysts at CAT-ACT</i>
15:00	COFFEE BREAK	
15:30	Invited Actinides 25+5	K. Kvashnina (HZDR / ESRF) <i>Rossendorf Beamline at ESRF: Current status and future perspectives</i>
16:00	Invited Catalysis 25+5	M. Hoj (DTU) <i>XAS studies on iron zeolite NH₃ SCR catalyst and vanadia selective oxidation catalysts under reaction conditions</i>
16:30	Invited Catalysis 25+5	W. Kleist (RU Bochum) <i>X-ray absorption spectroscopy as a valuable tool for the characterization of MOF-based single-site catalyst materials</i>
17:00	Invited Actinides 25+5	N. Magnani, R. Caciuffo (JRC Karlsruhe) <i>Synchrotron radiation studies of the heavy-fermion superconductor PuCoGa₅</i>
17:30	Invited Catalysis 25+5	Christoffer Tyrsted (Haldor Topsoe) <i>Migration of copper ions in CHA zeolite investigated by combined XRD/XANES</i>
18:00	Transfer	
18:30	DINNER	Marianne's Flammkuchen (Linkenheim)

Thursday 21.09.2017

09:00	Plenary Actinides 40+5	M. A. Denecke (Univ. Manchester) <i>X-ray spectroscopy and the Nuclear Fuel Cycle</i>
09:45	Invited Catalysis 25+5	N. Barsan (Univ. Tübingen) <i>Role of surface n-p heterostructures in gas sensing with semi-conducting metal oxides: operando XAS and DRIFTS investigations</i>
10:15	Invited Catalysis 25+5	P. Pfeifer (KIT-IMVT) <i>Power-to-X: Challenges and open questions in catalysis</i>
10:45	Invited Actinides 25+5	T. Reich (Uni Mainz) <i>Geochemical interaction of plutonium with Opalinus Clay studied by spatially resolved synchrotron radiation techniques</i>
11:15	Invited Catalysis 25+5	S. Behrens (SCI/STN Programm) <i>Nanoparticles as model catalysts in the direct synthesis of dimethyl ether from syngas</i>
11:45	Invited Actinides 25+5	S. Kumar (BARC) <i>Experiments with Actinides at synchrotron facilities</i>
12:15	Closing remarks	J.-D. Grunwaldt, J. Rothe
12:30	ANKA / Beamline Tour	
13:30	LUNCH	KIT Canteen