**Preliminary Programm of the Sino-German-Workshop at XAFS16 on**

**August 28 – 29, 2015**

**Friday 28, 2015**

15.00 – 19.00 h ANKA tour and visit of Institutes at KIT - Campus

19.30 Dinner of the Sino-German-Workshop

**Saturday 29, 2015**

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| 8:45 -9:00 | Welcome and Scope of the workshop (Jan-Dierk Grunwaldt, Andreas Goldbach, Roland Dittmeyer) |
| **Session 1** |  |
| 9:00 – 9:30 | **Prof. Andreas Goldbach** (DICP, Dalian, China)*From catalysis to membrane reactors in the Sino-German HCJRG project* |
| 9:30 – 10:00 | **Dr. Federico Zontone** (ESRF)*“Time-resolved evolution of structural and dynamical changes in amorphous metallic membranes under in situ hydrogenation”* |
| 10:00 – 10:25 | **Dr. Hudson Carvalho** (CENA-USP)*“Analysis of Bimetallic catalysts by XAS ”* |
| 10:25 – 10:50 | Coffee |
| **Session 2** |  |
| 10:50 – 11.20 | **Dr. Pieter Glatzel** (ESRF)*“In-situ electronic structure information by photon-in/photon-out”* |
| 11:20 – 11:50 | **Prof. Aiqin WANG** (DICP, Dalian, China) *“* *Single-atom-catalysts: synthesis, characterization and performance”* |
| 11:50 – 12:15 | **Dr. Ying Zhou** (KIT) *“In situ study of photothermocatalysis”* |
| 12:15 – 13:30 | Lunch |
| **Session 3** |  |
| 13:30 – 14:00 | **Prof. Roland Dittmeyer** (KIT)*Membranes and membrane reactors for oxidation catalysis – Concepts, status, research needs* |
| 14:00 – 14:30 | **Antonis Vamvakeros** (UCL/Research Complex at Harwell, UK)*“Real time chemical imaging of working catalytic membrane reactors”* |
| 14:30 – 14:55  | **Felix Dallmann** (KIT)**Gülperi Cavusoglu** (KIT)*Micromembrane reactor for operando synchrotron radiation studies and XAS Characterization of catalysts and membranes* |
| 14:45 – 15:15 | **Prof. Shiqiang WEI** (USTC, Hefei, China)*“In-situ XAFS probing solvent-induced removal process of Alkanethiol ligands from Colloidal Au Nanoparticles”* |
| 15:15 – 15:35 | Break |
| **Session 4** |  |
| 15:35 – 16:05 | **Dr. Yuying HUANG** (SSRF, Shanghai, China)*“* *XAFS technique application and development on catalysts at SSRF”* |
| 16:05 – 16:35 | **Dr. Roman Chernikov** (DESY)“Opportunities for EXAFS experiments at the new PETRA III extension beamlines” |
| 16:35 – 17:00 | **Dr. Henning Lichtenberg** (KIT)*Operando studies in catalysis at KIT* |
| 17:00 – 17:15 | **Concluding remarks** |

Note: The Institute for Chemical Technology and Polymer Chemistry can be visited on an individual basis during the conference or after the workshop.