



11th Workshop of the International Research Training Group
"Diffusion in Porous Materials"

Adsorption and Diffusion in Porous Materials

Eibenstock, 23rd-25th March 2010

Location: Hotel am Bühl - Das Blaue Wunder, Eibenstock
Am Bühl 1, D-08309 Eibenstock
For direction see: <http://www.hotel-blaues-wunder.de/>

Registration: Please send an E-mail to our IRTG administrator Katrin Kunze (kkunze@uni-leipzig.de).
For details see: <http://www.uni-leipzig.de/~pore/workshop11.html>

Programme

Tuesday, 23rd March

- 17:00 Joint bus transfer to Eibenstock
 - 19:30 Check in in the Hotel am Bühl in Eibenstock
 - 20:00 Dinner
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Wednesday, 24th March

- 10:00 - 15:00 Ice breaker: Get to know each other and the Eibenstock mountain area by hiking mount Auersberg (1018 m) or – if there is still enough snow – by skiing and sledging its slopes.
 - 15:45 Welcome coffee
 - 16:00 **Frank Stallmach:** Welcome and Introduction
Short presentations of research projects I
 - 16:20 **Tomas Binder:** Loading effects of benzene in MFI-Type zeolite
 - 16:40 **Rungroj Chanajaree:** The motions of water molecules in chabazite
 - 17:00 **Canan Gücüyener:** Synthesis and gas separation characteristics of H₂ permselective membranes
 - 17:20 **Anne-Kristin Pusch:** ¹³C NMR studies of carbon dioxide diffusion in MOF CuBTC
 - 17:40 **Enrique V. Ramos Fernández:** Multifunctional catalysts based on COF and MOF
 - 19:00 Conference dinner
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Thursday, 25th March

- Short presentations of research projects II
 - 9:30 **Nico Reuvers:** The transport in polymeric layers studied with high resolution NMR
 - 9:50 **Jens Kullmann:** Nanostructured materials as model system
 - 10:10 **Florian Hibbe:** Surface barriers monitored and studied on MOF Zn(tbip)
 - 10:30 **Carsten Horch:** Methane porosimetry by low-field NMR
 - 10:50 Coffee break
 - Short presentations of research projects III
 - 11:10 **Patrick With:** Supported catalysts from reactive deposition in supercritical CO₂
 - 11:30 **Alberto Martínez Joaristi:** Electrochemical synthesis of MOFs and their application to coatings and membranes
 - 11:50 **Markus Wehring:** NMR studies of benzene mobility in metal-organic framework MOF-5
 - 12:10 **Jana Juan Alcañiz:** Building MOF bottles around heteropoly acid ships: One-pot synthesis of Super Acid Solid catalysts
 - 12:30 Lunch break
 - Short presentations of research projects IV
 - 13:40 **Pim Donkers:** Moisture transport in coated wood
 - 14:00 **Steffen Beckert:** Polymer diffusion in porous Acrylate monoliths
 - 14:20 **Erisa Saraci:** Hierarchical porous materials: An exciting option toward optimal catalytic processes
 - 14:40 **Marcel Gratz:** MAS PFG NMR studies of mixtures in microporous materials
 - 15:00 Coffee break
 - 15:10 - 15:30 **Roger Gläser:** Discussion of IRTG matters, Closing of the Workshop
 - 16:00 Joint bus transfer back to Leipzig
 - about 18:00 Arrival in Leipzig
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