

DFG Priority Program 1362

October 01-02

Fraunhofer Institute for Electron Beam and Plasma Technology
Winterbergstraße 28, 01127 Dresden

Kickoff-Meeting

October 01, 2009:

- 09.00-09.30** **Introduction: Prof. Dr. Stefan Kaskel, Dresden**
Introduction Dr. Daniel Pursche, DFG Bonn
- 09.30-10.00** **Dr. Rochus Schmid, Bochum**
Dr. Frank Stallmach, Leipzig
Fundamental host guest interactions in porous metal organic frameworks.
A combined experimental and theoretical approach
- 10.00-10.45** **Prof. Dr. Peter Behrens, Hannover**
Prof. Dr. Adelheid Godt, Bielefeld
Prof. Dr. Michael Wark, Hannover
Synthesis and optoelectronic characterization of metal-organic frameworks consisting of oligo and metal oxo clusters
- 10.45-11.30** **Coffee Break**
- 11.30-12.30** **Prof. Dr. Jürgen Caro, Hannover**
Dr. Siegfried Fritzsche, Leipzig
Prof. Dr. Jörg Kärger, Leipzig
Gemeinsam mit: **Dr. Christian Chmelik, Leipzig**
Dr. Michael Wiebcke, Hannover
The fundamentals of separation by MOF membranes are explored by combining molecular modelling, synthesis chemistry, diffusion measurement and membrane fabrication
- 12.30-13.45** **Lunch Break**
- 13.45-14.30** **Prof. Dr. Frank Glorius, Münster**
Prof. Dr. Stefan Kaskel, Dresden
Prof. Dr.-Ing. Elias Klemm, Stuttgart
New functional Metal-Organic Frameworks for selective Catalysis and Separation

- 14.30-15.15** **Prof. Dr. Roger Gläser, Leipzig**
Prof. Dr. Harald Krautscheid, Leipzig
Dr.-Ing. Reiner Staudt, Leipzig
Heteronuclear MOFs for applications in adsorption
- 15.15-16.00** **Coffee Break**
- 16.00-16.30** **Prof. Dr. Joachim Sauer, Berlin**
Prof. Dr. Dirk Volkmer, Ulm
Redox-Active MOF- 5 Isotypes: Novel Entatic State Catalysts?
- 16.30-17.00** **Prof. Dr. Florian Mertens, Freiberg**
Prof. Dr. Edwin Weber, Freiberg
Development and Characterization of MOF based chromatographic material combining size exclusion, intrinsic chirality and specific interactions
- 17.00-17.45** **Prof. Dr. Thomas Heine, Bremen**
Dr. Michael Hirscher, Stuttgart
Prof. Dr. Gotthard Seifert, Dresden
Systematic Study of hydrogen adsorption in metal organic frameworks
- 18.00** **Dinner**
- 20.00** **Program Committee, Referees and DFG**

October 02, 2009:

- 09.00-10.00** **Prof. Dr. Hans- Jürgen Holdt, Golm**
Dr. Stefano Leoni, Dresden
Prof. Dr. Gotthard Seifert, Dresden
Dr. Arne Thomas, Golm
Prediction, synthesis and characterization of novel Imidazolate based metal organic frameworks
- 10.00-10.45** **Dr. Marko Bertmer, Leipzig**
Prof. Dr. Martin Hartmann, Augsburg
Prof. Dr. Andreas Pöpl, Leipzig
Magnetic Resonance Spectroscopy of $\text{Cu}_3(\text{BTC})_2$ and MIL-53 Based Materials
- 10.45-11.30** **Prof. Dr. Claus Feldmann, Karlsruhe**
Dr. Ralf Köhn, München
Dr. Klaus Müller- Buschbaum, München
MOF based Sorption Sensors by Rare Earth Luminescence
- 11.30-12.15** **Coffee Break**
- 12.15-13.00** **Prof. Dr. Thomas Bein, München**
Prof. Dr. Jürgen Senker, Bayreuth
Prof. Dr. Norbert Stock, Kiel
Targeting selective host-guest interactions in functionalized MOFs- synthesis, NMR- studies and sensor design
- 13.00-13.45** **Prof. Dr. Roland A. Fischer, Bochum**
Prof. Dr. Klaus Huber, Paderborn
Prof. Dr. Christof Wöll, Bochum
Nano-MOFs: In situ monitoring and control of the crystallite growth of MOFs in colloidal solution and at surfaces modified with SAMs employing step-by-step dosing of reactants
- 13.45** **Prof. Dr. Stefan Kaskel, Dresden**
Closing Remarks