DFG Priority Program 1362
September 09, 2010

Université de Provence
Avenue Charles Susini, 13013 Marseille

Presentation of the new Proposals for 2011-2014

Please present the project ideas for **2011 – 2014** .
Please have **30 %** of your schedule time for **discussion**!

September 09, 2010 presentations:

08.00-08.15	Introduction: Prof. Dr. Stefan Kaskel
08.15-08.40	Heteronuclear MOFs for applications in adsorption and redox catalysis (Prof. Dr. Gläser, Prof. Dr. Krautscheid, Prof. Dr. Staudt)
08.40-09.05	Synthesis and optoelectronic characterization of metal-organic frameworks consisting of oligo (phenyleneethynylene)s and metal oxo clusters (Prof. Dr. Behrens, Prof. Dr. Godt, Prof. Dr. Wark)
09.05-09.25	Redox-Active MOF-5 Isotypes: Novel Entatic State Catalysts? (Prof. Dr. Sauer, Prof. Dr. Volkmer)
09.25-09.50	Host - guest interactions and magnetic ordering in MOFs studied by electron and nuclear spin resonance spectroscopy (Dr. Bertmer, Prof. Dr. Hartmann, Prof. Dr. Pöppl)
09.50-10.20	Coffee Break

10.20-10.45	Targeting selective host-guest interactions in functionalized MOFs – synthesis, NMR-studies and sensor design (Prof. Dr. Bein , Prof. Dr. Senker, Prof. Dr. Stock)
10.45-11.15	The fundamentals of separation by MOF membranes are explored by combining molecular modelling, synthesis chemistry, diffusion measurement and membrane fabrication (Prof. Dr. Caro, Dr. Fritzsche ,Prof. Dr. Kärger, Dr. Chmelik, Dr. Wiebcke)
11.15-11.35	Fundamental host-guest interactions in porous metal organic frameworks. A combined experimental and theoretical approach (Dr. Schmid, Dr. Stallmach)
11.35- 12.00	Prediction, synthesis and characterization of novel Imidazolate based metal organic frameworks (Prof. Dr. Holdt, Dr. Leoni, Prof. Dr. Seifert, Dr. Thomas)
12.00-13.30	Lunch break
13.30-13.55	Systematic Study of hydrogen adsorption in metal organic frameworks (Prof. Dr. Heine, Dr. Hirscher, Prof. Dr. Seifert)
13.55-14.15	MOF Based Sorption Sensors by Rare Earth Luminescence (Prof. Dr. Feldmann, Dr. Müller- Buschbaum)

14.15-14.40	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 (Prof. Dr. Fischer, Prof. Dr. Huber, Prof.Dr. Wöll)
14.40-15.00	Development and characterization of MOF based chromatographic materials combining size exclusion, intrinsic chirality and specific interactions (Prof. Dr. Mertens, Prof. Dr. Weber)
15.00-15.25	New Functional Metal-Organic Frameworks for (Enantio)selective Catalysis and Sepration (Prof. Dr. Glorius, Prof. Dr. Kaskel, Prof. Dr. –Ing. Klemm)
15.25-16.00	Coffee Break
16.00-18.00	Presentation of New Projects