

Time		Wednesday, October 8, 2008	
08:20		Introduction	
08:30		Plenary G. Férey	
		New Syntheses and Structures	
		Chair: R. E. Morris, University of St. Andrews/UK	
09:15	1005	High-throughput methods for the investigation of amino-functionalized compounds based on MIL-53, MIL-88, and MIL-101	N. Stock, S. Bauer, T. Ahnfeldt, University of Kiel/D, P. Horcajada, C. Serre, T. Devic, T. Loiseau, G. Férey, University of Versailles/F, J. Senker, University of Bayreuth/D
09:40	1016	Step-by-step route for the synthesis and controlled growth of MOFs on functionalized organic surfaces	O. Shekhah, H. Wang, D. Zacher, H. Parala, R.A. Fischer, C. Wöll, Ruhr Universität-Bochum/D
10:05	1040	Oriented growth of different metal-organic framework structures on self-assembled monolayers	C. Scherb, T. Bein, Universität München/D
10:30		Coffee Break with Exhibition and Poster	
11:00	1157	Hybridization of heterometal porous coordination polymer crystals, a single crystal film epitaxial growth on a single crystal substrate	S. Furukawa, Japan Science and Technology Agency, Kyoto/J, K. Hirai, Kyoto University/J, R. Haruki, O. Sakata, Japan Synchrotron Research Institute, Hyogo/J, S. Kitagawa, Kyoto University/J
11:25	1018	High-dimensional metal-organic frameworks based on organic free radicals showing magnetic properties	N. Roques, A. Datcu, Institut Ciencia de Materials de Barcelona, Cerdanyola/E, D. Maspoch, I. Imaz, Institut Català de Nanotecnologia, Cerdanyola/E, J.-P. Sutter, Université Paul Sabatier, Toulouse/F, C. Rovira, J. Veciana, Institut Ciencia de Materials de Barcelona, Cerdanyola/E
11:50	1008	Manufacture of dense coatings of $\text{Cu}_3(\text{BTC})_2$ on porous alpha-Alumina	J. Gascon, S. Aguado, F. Kapteijn, Delft University of Technology/NL
12:15	1118	Novel copper and zinc metal-organic frameworks built from 4,4'-azopyridine and 1,4-BDC or 1,3,5-BTC with (4,4)-grid-like topologies	V. Zelenak, Z. Vargova, M. Almasi, M. Burcak, P.J. Safarik University, Kosice/SK, I. Cisarova, Charles University, Prague/CZ
12:40		Lunch Break and Exhibition	
		Chair: S. Kaskel, TU Dresden/D	
14:10		Keynote: The state of the art for in-situ MOF problematics, methodology and results	F. Taulelle, University of Versailles St. Quentin/F
14:55		Coffee Break with Exhibition and Poster	
		Gas and Liquid Adsorption	
15:25	1164	Supermolecular building blocks approach to construct open metal organic frameworks: design strategies and sorption properties	M. Eddaoudi, University of South Florida, Tampa, FL/USA, R. Staudt, Institute of Non-Classical Chemistry, Leipzig/D, J. Möllmer, M. Thommes, Quantachrome Instruments, Boynton Beach, FL/USA
15:50	1050	Isobutane/isobutene separation over $\text{Cu}_3(\text{BTC})_2$	M. Hartmann, S. Kunz, D. Himsl, O. Tangermann, Universität Augsburg/D, A. Wagener, S. Ernst, Technische Universität Kaiserslautern/D
16:15	1021	Selective adsorption and separation of aromatics with the metal-organic frameworks MIL-47 and MIL-53	L. Alaerts, M. Maes, P.A. Jacobs, Katholieke Universiteit Leuven/B, J.F.M. Denayer, Vrije Universiteit Brussel/B, C.E.A. Kirschhock, D.E. De Vos, Katholieke Universiteit Leuven/B
16:50		Keynote: Metal organic framework for hydrogen storage	M. Hirscher, Max-Planck-Institut für Metallforschung; Stuttgart/D
17:25 until 19:30		Poster Party	
19:00		Meeting IZA MOF commission	

Time		Thursday, October 9, 2008	
		Gas and Liquid Adsorption continued Chair: D. De Vos, University of Leuven/B	
08:30		Keynote: Molecular modeling of adsorption and diffusion on metal organic frameworks	R. Snurr, Northwestern University, Evanston, IL/USA
09:15	1053	Computational study of hydrogen adsorption in MOF-5	K. Sillar, A. Hofmann, J. Sauer, Humboldt Universität zu Berlin/D
09:40	1054	Diffusion of H ₂ , CH ₄ and CO ₂ in metal organic framework materials : molecular dynamics compared to quasi-elastic neutron scattering	F. Salles, Université Montpellier 2/F, H. Jobic, Université de Lyon/F, N. Rosenbach, Université Montpellier 2/F, S. Bourrelly, P. Llewellyn, Université de Provence, Marseille/F, T. Devic, C. Serre, G. Férey, Université de Versailles/F, <u>G. Maurin</u> , Université Montpellier 2/F
10:05	1093	Hydrogen storage in 3-D COFs. A multi-scale theoretical investigation	E. Klontzas, E. Tylanakis, <u>G.E. Froudakis</u> , University of Crete, Heraklion/GR
10:30		Coffee Break with Exhibition and Poster	
11:00	1087	Role of exposed metal sites in the hydrogen storage in MOFs	J.G. Vitillo, L. Regli, S. Chavan, G. Ricchiardi, G. Spoto, Università di Torino/I, P.D.C. Dietzel, SINTEF, Oslo/N, S. Bordiga, A. Zecchina, Università di Torino/I
11:25	1059	Hydrogen storage in metal organic frameworks	<u>A. Dailly</u> , General Motors Corporation, Warren, MI/USA, E. Poirier, Purdue University, West Lafayette, IN/USA, G.C. Garabedian, General Motors Corporation, Warren, MI/USA
11:50	1163	Metal-organic framework materials: porosity and storage	<u>X. Lin</u> , S. Yang, N. Champness, P. Hubberstey, M. Schröder, University of Nottingham/UK
12:15	1043	Unprecedented insight into MOF transport properties by monitoring transient concentration profiles	<u>D. Tzoulaki</u> , L. Heinke, J. Kärger, Universität Leipzig/D, H. Lim, J. Li, Rutgers University, Piscataway, NJ/USA
12:40		Lunch Break and Exhibition	
		Catalysis and Reactions Chair: M. Hartmann, University of Augsburg/D	
14:10		Keynote: Metal organic frameworks for gas storage in medical applications	R. E. Morris, University of St. Andrews/UK
14:55	1042	Solid state and material engineering approaches for highly shape selective alkylations	U. Ravon, M.E. Domine, C. Gaudillere, M. Savonnet, D. Farrusseng, CNRS, Lyon/F
15:20	1079	Utilization of coordinatively unsaturated metal sites for liquid-phase catalysis in nanoporous metal carboxylates	Y.K. Hwang, D.-Y. Hong, Y.-K. Seo, Korea Research Institute of Chemical Technology (KRICT), Daejeon/ROK, S.H. Jung, Kyungpook National University, Daegu/ROK, C. Serre, G. Férey, University of Versailles/F, <u>J.-S. Chang</u> , Korea Research Institute of Chemical Technology (KRICT), Daejeon/ROK
15:45		Coffee Break with Exhibition and Poster	
16:15	1024	Combining different MOFs for the selective oxidation of cycloalkanes	<u>F.X. LLabrés i Xamena</u> , O. Casanova, R. Galiasso, H. Garcia, A. Corma, Technical University of Valencia/E
16:40	1071	Catalytic oxidation by cobalt(II)-containing metal-organic frameworks	<u>D. Volkmer</u> , Ulm University/D
17:05	1124	Novel hydrogenation catalysts based on Pd supported on MOF-5	<u>S. Opelt</u> , E. Dietzsch, Chemnitz University of Technology/D, S. Kaskel, Dresden University of Technology/D, E. Klemm, Chemnitz University of Technology/D
17:30		End of the 2nd conference day	
19:00		Conference Dinner	

Time		Friday, October 10, 2008	
		Novel Applications and Physical Properties Chair: R. A. Fischer, University of Bochum/D	
09:00		Keynote: Chemistry and application of soft porous crystals	S. Kitagawa, Kyoto University/J
09:45	1012	Asymmetric ring opening reaction of epoxide with amine in the chiral open space of a novel chiral porous metal-organic framework	K. Tanaka, S. Oda, Kansai University, Osaka/J, M. Shiro, Rigaku X-ray Laboratory, Tokyo/J
10:10	1148	Photochemistry inside metal organic framework functionalised by organometallic compounds	S.M. Chavan, E. Groppo, F. Bonino, University of Turin/I, K.P. Lillerud, University of Oslo/N, C. Larabi, CNRS/CPE, Lyon/F, S. Bordiga, University of Turin/I
10:35		Coffee Break with Exhibition and Poster	
11:05	1065	Rotational dynamics of molecular dipoles on a MOF-5 crystal lattice	E.B. Winston, J.C. Price, J. Michl, J. Vacek, J. Chocholoušová, P.J. Lowell, University of Colorado, Boulder, CO/USA
11:30	1082	Calculation of static and dynamic properties of MOFs and COFs using force fields parameterized systematically from first principles	R. Schmid, S. Amirjalayer, M. Tafipolsky, Ruhr-Universität Bochum/D
11:55	1075	Structure and proton conductivity of the oxalate-bridged honeycomb shaped coordination polymer with hydrogen bond network	M. Sadakiyo, T. Yamada, H. Okawa, H. Kitagawa, Kyushu University, Fukuoka/J
12:20		Lunch Break	
		Chair: G. Férey, University of Versailles St. Quentin/F	
14:00	1154	Proton conducting metal organic frameworks	G. Shimizu, J.A. Hurd, R. Vaidyanathan, J.M. Taylor, V. Thangadurai, University of Calgary/CDN
14:25	1130	Metal-organic-frameworks as new materials for drug delivery	P. Horcajada Cortes, C. Serre, University of Versailles/F, G. Maurin, N.A. Ramsahye, University of Montpellier II/F, F. Balas, M. Vallet-Regi, University Complutense of Madrid/E, M. Sebban, F. Taullele, G. Férey, University of Versailles/F
14:50	1051	Toward MOFs in industrial processes: carbon dioxide capture	R. Willis, A. Benin, S. Faheem, J. Low, G. Venimadhaven, UOP LLC, a Honeywell Company, Des Plaines, IL/USA, R. Snurr, O. Yazaydin, Northwestern University, Evanston, IL/USA, A. Matzger, A. Wong-Foy, K. Koh, University of Michigan, Ann Arbor, MI/USA, D. LeVan, J. Liu, Vanderbilt University, Nashville, TN/USA, S. Brandani, University of Edinburgh/UK
15:15		Keynote: MOFs - perspective applications in chemical industry	U. Müller, BASF SE, Ludwigshafen/D
16:00		Closing Remarks Poster Awards	
16:10		End of conference	