

MOF08

1st International Conference on Metal-Organic Frameworks and Open Framework Compounds

October 8-10, 2008
Kongresshalle Augsburg

PROGRAMME



DECHEMA e.V.
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Martin Schroeder	University of Nottingham/UK
George K.H. Shimizu	University of Calgary/CDN
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CONFERENCE ORGANISER



DECHEMA e.V.
Society for Chemical Engineering and Biotechnology
Theodor-Heuss-Allee 25
60486 Frankfurt am Main/Germany

Under the auspices of
the International Zeolite Association



GENERAL INFORMATION

HOW TO GET TO KONGRESSHALLE AUGSBURG

By public transport

Kongresshalle Augsburg is located on G gginger Stra e 10 in the G ggingen district near the main train station Augsburg. From the main train station: take the tram lines 3 or 4 to K nigsplatz; then take tram line 1 direction „G ggingen“, exit „Kongresshalle“ (travel time: approx. 7 min).

By car

Coming from Munich, Nuremberg or Stuttgart, take the A8 Munich-Stuttgart until you reach the Augsburg/West junction. Then change to the B17 direction Landsberg and take the exit Kongresshalle. At the traffic lights, turn left into Eichleitnerstra e. At the end of the street turn right into G gginger Stra e and follow it until you reach the first set of left-turning traffic lights. After you have turned left, you'll be right next to Kongresshalle Augsburg.

Coming from the South – Allg u, Austria and Switzerland – take the A96 until you reach the Landsberg a.L./North junction. Then change to the B17 direction Augsburg and take the exit Kongresshalle. At the traffic lights, turn right into Eichleitnerstra e. At the end of the street turn right into G gginger Stra e and follow it until you reach the first set of left-turning traffic lights. After turning left, you'll be right next to the Kongresshalle Augsburg.

Parking is available at the Augsburg Dorint Novotel car park located right at Kongresshalle Augsburg.



INVITATION & CONTENTS

Porous solids and particularly metal-organic frameworks are now strategic materials for their numerous applications which concern current societal problems like energy, sustainable development and health. DECHEMA, Society for Chemical Engineering and Biotechnology and IZA, International Zeolite Association, extend a cordial invitation to the colleagues in the field of metal-organic frameworks and other open framework compounds to participate in the 1st International Conference on these topics, which will be held from October 8 to 10, 2008 in Augsburg/Germany.

This conference aims at covering the state of the art of the topics. All the aspects of the field are concerned, from the new ways of synthesis, new structures, mechanisms of formation, classical properties related to adsorption (gas and liquids) as well as new ones, closer to those of dense phases to catalytic reactions and engineering aspects.

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PROGRAMME AT A GLANCE

Tuesday, October 7, 2008		Wednesday, October 8, 2008	
	8:20	Opening	
	8:30	PLENARY LECTURE G. Férey	
		<i>Chair: R.E. Morris</i>	
	9:15	N. Stock	
	9:40	O. Shekhah	
	10:05	C. Scherb	
	10:30	Coffee break with exhibition and poster presentation	
	11:00	S. Furukawa	
	11:25	J. Veciana	
	11:50	J. Gascon	
	12:15	V. Zelenak	
	12:40	Lunch break	
		<i>Chair: S. Kaskel</i>	
	14:10	KEYNOTE LECTURE F. Taulelle	
	14:55	Coffee break with exhibition and poster presentation	
	15:25	M. Thommes	
	15:50	M. Hartmann	
16:00	Registration open	16:15	L. Alaerts
		16:40	KEYNOTE LECTURE M. Hirscher
18:00 – 21:00	Welcome reception	17:25 – 19:30	Poster party

PROGRAMME AT A GLANCE

Thursday, October 9, 2008		Friday, October 10, 2008	
	<i>Chair: D. De Vos</i>		
8:30	KEYNOTE LECTURE R. Snurr		<i>Chair: R.A. Fischer</i>
9:15	K. Sillar	9:00	KEYNOTE LECTURE S. Kitagawa
9:40	G. Maurin	9:45	K. Tanaka
10:05	G.E. Froudakis	10:10	S.M. Chavan
10:30	Coffee break with exhibition and poster presentation	10:35	Coffee break with exhibition and poster presentation
11:00	J.G. Vitillo	11:05	J.C. Price
11:25	A. Dailly	11:30	R. Schmid
11:50	X. Lin	11:55	M. Sadakiyo
12:15	D. Tzoulaki		
12:40	Lunch break	12:20	Lunch break
	<i>Chair: M. Hartmann</i>		<i>Chair: G. Férey</i>
14:10	KEYNOTE LECTURE R.E. Morris	14:00	G. Shimizu
14:55	D. Farrusseng	14:25	P. Horcajada Cortes
15:20	J.-S. Chang	14:50	R. Willis
15:45	Coffee break with exhibition and poster presentation	15:15	KEYNOTE LECTURE U. Müller
16:15	F.X. Llabrés i Xamena	16:00	Poster award Closing remarks
16:40	D. Volkmer	16:10	End of conference
17:05	S. Opelt		
17:30	End of the 2nd conference day		
18:30	Shuttle bus to the conference dinner		
19:00 – 23:30	Conference dinner at Bahnpark Augsburg		

LECTURE PROGRAMME

Wednesday, October 8, 2008

- 8:20 **Opening**
- 8:30 **PLENARY LECTURE**
Hybrid porous solids: past, present, future
 G. Férey, University of Versailles/F
Chair: R.E. Morris, University of St. Andrews/UK
- 9:15 **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
- 9:40 **Step-by-step route for the synthesis and controlled growth of metal-organic frameworks on functionalized organic surfaces**
 O. Shekhan, H. Wang, D. Zacher, H. Parala, R.A. Fischer, C. Wöll, University of Bochum/D
- 10:05 **Oriented growth of different metal-organic framework structures on self-assembled monolayers**
 C. Scherb, T. Bein, University of Munich/D
- 10:30 **Coffee break with exhibition and poster presentation**
- 11:00 **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 **High-dimensional metal-organic frameworks based on organic free radicals showing magnetic properties**
 N. Roques, A. Dacu, Institut de Ciència 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 de Ciència de Materials de Barcelona, Cerdanyola/E
- 11:50 **Manufacture of dense coatings of Cu₃(BTC)₂ on porous α -alumina**
 J. Gascon, S. Aguado, F. Kapteijn, Delft University of Technology/NL

LECTURE PROGRAMME

Wednesday, October 8, 2008

- 12:15 **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
Chair: S. Kaskel, TU Dresden/D
- 14:10 **KEYNOTE LECTURE**
The state of the art for in-situ MOF problematics, methodology and results
 F. Taulelle, University of Versailles/F
- 14:55 **Coffee break with exhibition and poster presentation**
- 15:25 **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 **Isobutane/isobutene separation over Cu₃(BTC)₂**
 M. Hartmann, S. Kunz, D. Himsl, O. Tangermann, University of Augsburg/D; A. Wagener, S. Ernst, TU Kaiserslautern/D
- 16:15 **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
- 16:40 **KEYNOTE LECTURE**
Metal-organic frameworks for hydrogen storage
 M. Hirscher, MPI for Metals Research, Stuttgart/D
- 17:25 **Poster party**
- 19:30

LECTURE PROGRAMME

Thursday, October 9, 2008

Chair: D. De Vos, University of Leuven/B

- 8:30 **KEYNOTE LECTURE**
Molecular modeling of adsorption and diffusion on metal-organic frameworks
R. Snurr, Northwestern University, Evanston, IL/USA
- 9:15 **Computational study of hydrogen adsorption in MOF-5**
K. Sillar, A. Hofmann, J. Sauer, Humboldt-Universität zu Berlin/D
- 9:40 **Diffusion of H₂, CH₄ and CO₂ in metal-organic framework materials: molecular dynamics compared to quasi-elastic neutron scattering**
F. Salles, University of Montpellier 2/F; H. Jobic, University of Lyon/F; N. Rosenbach, University of Montpellier 2/F; S. Bourrelly, P. Llewellyn, University of Provence, Marseille/F; T. Devic, C. Serre, G. Férey, University of Versailles/F; G. Maurin, University of Montpellier 2/F
- 10:05 **Hydrogen storage in 3-D COFs. A multi-scale theoretical investigation**
E. Klontzas, E. Tylanakis, G.E. Froudakis, University of Crete, Heraklion/GR
- 10:30 **Coffee break with exhibition and poster presentation**
- 11:00 **Role of exposed metal sites in the hydrogen storage in metal-organic frameworks**
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 **Hydrogen storage in metal-organic frameworks**
A. Dailly, 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 **Metal-organic framework materials: porosity and storage**
X. Lin, S. Yang, N. Champness, P. Hubberstey, M. Schröder, University of Nottingham/UK
- 12:15 **Unprecedented insight into MOF transport properties by monitoring transient concentration profiles**
D. Tzoulaki, L. Heinke, J. Kärger, University of Leipzig/D; H. Lim, J. Li, Rutgers University, Piscataway, NJ/USA
- 12:40 Lunch break

LECTURE PROGRAMME

Thursday, October 9, 2008

Chair: M. Hartmann, University of Augsburg/D

- 14:10 **KEYNOTE LECTURE**
Metal-organic frameworks for gas storage in medical applications
R.E. Morris, University of St. Andrews/UK
- 14:55 **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 **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; J.-S. Chang, Korea Research Institute of Chemical Technology (KRICT), Daejeon/ROK
- 15:45 **Coffee break with exhibition and poster presentation**
- 16:15 **Combining different metal-organic frameworks for the selective oxidation of cycloalkanes**
F.X. Lladrés i Xamena, O. Casanova, R. Galiasso, H. Garcia, A. Corma, TU Valencia/E
- 16:40 **Catalytic oxidation by cobalt(II)-containing metal-organic frameworks**
D. Volkmer, Ulm University/D
- 17:05 **Novel hydrogenation catalysts based on Pd supported on MOF-5**
S. Opelt, E. Dietzsch, Chemnitz University of Technology/D; S. Kaskel, TU Dresden/D; E. Klemm, Chemnitz University of Technology/D
- 17:30 **End of the 2nd conference day**
- 18:30 **Shuttle bus to the conference dinner, departure at Kongresshalle Augsburg**
- 19:00 **Conference dinner at Bahnpark Augsburg**
- 23:30

LECTURE PROGRAMME

Friday, October 10, 2008

Chair: R.A. Fischer, University of Bochum/D

- 9:00 **KEYNOTE LECTURE**
Chemistry and application of soft porous crystals
 S. Kitagawa, Kyoto University/J
- 9:45 **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 **Photochemistry inside metal-organic frameworks 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 presentation**
- 11:05 **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 **Calculation of static and dynamic properties of metal-organic frameworks and COFs using force fields parameterized systematically from first principles**
R. Schmid, S. Amirjalayer, M. Tafipolsky, University of Bochum/D
- 11:55 **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

LECTURE PROGRAMME

Friday, October 10, 2008

Chair: G. Férey, University of Versailles/F

- 14:00 **Proton conducting metal-organic frameworks**
G. Shimizu, J.A. Hurd, R. Vaidhyanathan, J.M. Taylor, V. Thangadurai, University of Calgary/CDN
- 14:25 **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 2/F; F. Balas, M. Vallet-Regi, University Complutense of Madrid/E; M. Sebban, F. Taullele, G. Férey, University of Versailles/F
- 14:50 **Toward metal-organic frameworks 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 LECTURE**
Metal-organic frameworks – perspective applications in chemical industry
 U. Müller, BASF SE, Ludwigshafen/D
- 16:00 **Poster award / Closing remarks**
- 16:10 **End of conference**

POSTER PROGRAMME

Posters must be placed on the assigned boards by Wednesday, October 8, 2008, 10:30 at the latest.

Authors are requested to be present at their posters during the poster party on **Wednesday, October 8, 2008, from 17:25 until 19:30.**

Posters will also be viewed and discussed during the coffee breaks and lunch.

New Syntheses and Structures

- 1 **Coordination polymers with multidentate organic ligands**
W.-Y. Sun, Nanjing University/PRC
- 2 **From microporous polymers to covalent organic frameworks**
P. Kuhn, J. Weber, M.J. Bojdys, J. Schmidt, A. Thomas, MPI of Colloids and Interfaces, Potsdam/D
- 3 **A first step towards the construction of porous and magnetic radical-based metal-organic frameworks on top of self-assembled monolayers**
O. Shekhah, University of Bochum/D; N. Roques, V. Mugnaini, C. Munuera, C. Ocal, Institut de Ciència de Materials de Barcelona/E; C. Wöll, University of Bochum/D; J. Veciana, Institut de Ciència de Materials de Barcelona/E
- 4 **Ionothermal synthesis of crystalline, covalent, graphitic carbon nitride**
M.J. Bojdys, M. Antonietti, A. Thomas, MPI of Colloids and Interfaces, Potsdam/D
- 5 **Reversible guest-induced topochemical modifications in [Cu(m-pz)₂]_n 1D metal-organic frameworks. A DFT investigation**
M. Casarin, F. Garau, L. Pandolfo, University of Padova/I; N. Masciocchi, University of Insubria, Como/I; C. Pettinari, University of Camerino/I; A. Vittadini, ISTM CNR and INSTM, Padova/I
- 6 **Element-organic frameworks with high permanent porosity**
M. Rose, TU Dresden/D; W. Böhlmann, University of Leipzig/D; S. Kaskel, TU Dresden/D
- 7 **Isosymmetrical reversible structural transitions in Mn(Bpy)(VO)_{3/2}•(H₂O)_{1.25} due to the hydration-dehydration process**
R.F. de Luis, J.L. Mesa, M.K. Urtiaga, M.I. Arriortua, T. Rojo, Universidad del País Vasco, Bilbao/E

POSTER PROGRAMME

- 8 **A three dimensional hydrogen bond Co(HBpe)₂(V₄O₁₂) hybrid vanadate. A thermal induced P-1 to P2_{1/c} structural transition**
R.F. de Luis, M.K. Urtiaga, J.L. Mesa, M.I. Arriortua, T. Rojo, Universidad del País Vasco, Bilbao/E
- 9 **Thermal induced isosymmetrical reversible structural transition in Mn(Bpy)_{0.5}(VO)_{3/2}•(H₂O)_{0.75}**
R.F. de Luis, M.K. Urtiaga, J.L. Mesa, M.I. Arriortua, T. Rojo, Universidad del País Vasco, Bilbao/E
- 10 **Water sensitivity and mechanical properties of MOF-5**
D. Himsl, M. Hartmann, University of Augsburg/D
- 11 **Microwave-assisted solvothermal synthesis and mechanochemical preparation of [Cu₃(1,3,5-benzenetricarboxylate)₂]**
M. Schlesinger, I. Polenz, M. Mehring, M. Dieblich, S. Schulze, M. Hietschold, Chemnitz University of Technology/D
- 12 **Following the selective growth of metal-organic frameworks on patterned substrates by scanning force microscopy**
C. Munuera, Consejo Superior de Investigaciones Científicas, Barcelona/E; O. Shekhah, Ch. Wöll, University of Bochum/D; C. Ocal, Consejo Superior de Investigaciones Científicas, Barcelona/E
- 13 **The use of aluminium and other p-elements (gallium, indium) for the formation of MOF-type materials**
C. Volkringer, T. Loiseau, N. Guillou, J. Marrot, G. Férey, M. Haouas, F. Taulelle, University of Versailles/F; D. Popov, C. Riekel, ESRF, Grenoble/F; M. Latroche, CNRS, Thiais/F
- 14 **Lightweight metal based metal-organic frameworks: systematic design of pore size**
I. Senkovska, S. Kaskel, TU Dresden/D
- 15 **Crystalline coordination networks constructed with anthracene bridging ligands as a linking group**
H. Motegi, C. Slebodnick, B.E. Hanson, Virginia Polytechnic Institute and State University, Blacksburg, VA/USA
- 16 **Synthesis, structures, and properties of hexafluoro-silicate-bridging metal-pyrazine porous coordination polymers**
K. Uemura, A. Maeda, H. Kita, Yamaguchi University, Ube/J

POSTER PROGRAMME

- 17 **Functionalization of framework in MOF-5 by protection-deprotection method**
T. Yamada, H. Kitagawa, Kyushu University, Fukuoka/J
- 18 **Development of new coordination networks containing transition metals with aromatic polycarboxylates and N-donor ligands**
F. Silva, S. Júnior, Universidade Federal de Pernambuco, Recife/BR
- 19 **Crystal structures and electrochemical properties of novel coordination polymers with tetrahedral pyridyl ligands**
A. Shigematsu, T. Yamada, H. Kitagawa, Kyushu University, Fukuoka/J
- 20 **Microwave synthesis of nanoporous metal carboxylates and their characterization**
Y.-K. Seo, J.W. Yoon, Korea Research Institute of Chemical Technology (KRICT), Daejeon/ROK; S.H. Jhung, Kyungpook National University, Daegu/ROK; Y.K. Hwang, Korea Research Institute of Chemical Technology (KRICT), Daejeon/ROK; C. Serre, G. Férey, University of Versailles/F; J.-S. Chang, Korea Research Institute of Chemical Technology (KRICT), Daejeon/ROK
- 21 **Platinum(II) mediated [2 + 3] cyclo-addition of azide and nitrile: a convenient tool towards heterometallic supramolecular chemistry**
S. Mukhopadhyay, M.A. Januário Charmier, M. Fatima, M.F.C. Guedes da Silva, A.J.L. Pombeiro, Instituto Superior Técnico, Lisbon/P
- 22 **Coordination polymers of lanthanides: crystal engineering, thermal behavior and crystal structure**
N. Rahahlia-Taieb, A. Guehria-Laidoudi, USTHB, Algiers/DZ; S. Dahaoui, C. Lecomte, University of Nancy 1/F
- 23 **Enumeration of not-yet-synthesized zeolitic zinc imidazolate metal-organic framework networks: a topological and DFT/DFTB approach**
I. Baburin, Samara State University/RUS; S. Leoni, MPI for Chemical Physics of Solids, Dresden/D; G. Seifert, TU Dresden/D
- 24 **Three-dimensional coordination polymers based on triaminoguanidine ligands**
J. Bauer, A. Zharkouskaya, W. Plass, University of Jena/D

POSTER PROGRAMME

- 25 **Construction of coordination polymers based on lanthanide(III) ions and pyridin-3,5-dicarboxylic acid**
R. Lyszczyk, A. Ostasz, L. Mazur, Z. Rzaczyńska, Maria Curie-Skłodowska University, Lublin/PL
- 26 **Non-isorecticular metal-organic frameworks using rigid, carboxylate-based ligands**
E. Neofotistou, P. Trikalitis, University of Crete, Heraklion/GR
- 27 **Functionalized organosilicas for gas storage applications**
V. Binas, P. Trikalitis, University of Crete, Heraklion/GR
- 28 **Novel functionalized metal-organic frameworks and polyhedra with exposed lewis base sites**
I. Papadaki, P. Trikalitis, University of Crete, Heraklion/GR
- 29 **Metal-organic frameworks containing silicon-based ligands**
R.J. Less, University of Cambridge/UK; R.P. Davies, P.D. Lickiss, A.J.P. White, Imperial College, London/UK
- 30 **3,3',4,4'-benzophenonetetracarboxylic acid – novel ligand for construction of coordination polymers**
A. Ostasz, R. Lyszczyk, L. Mazur, Z. Rzaczyńska, Maria Curie-Skłodowska University, Lublin/PL
- 31 **Spectroscopy characterization and evidence of energy transfer in heterobimetallic lanthanide-organic frameworks**
S. Alves Junior, M.O. Rodrigues, Universidade Federal de Pernambuco, Recife/BR; L.O. Nunes, Universidade de São Paulo, São Carlos/BR; W.M. Azevedo, Universidade Federal de Pernambuco, Recife/BR
- 32 **Tetrakisphenylmethanes and 1,3,5,7-tetrakisphenyladamantanes: peripheral chiral ligands for the generation of chiral metal-organic frameworks**
O. Plietzsch, C.I. Schilling, S. Bräse, University of Karlsruhe/D
- 33 **Design and synthesis of molecular organic frameworks based on fullerene ligands**
P. Pierrat, C. Réthoré, S. Bräse, University of Karlsruhe/D
- 34 **Spectroscopic and thermal properties of lanthanides (III) complexes with 4,4'-biphenyldicarboxylic acid**
J. Sienkiewicz, Z. Rzaczyńska, A. Kula, Maria Curie-Skłodowska University, Lublin/PL
- 35 **New alkali metal coordination polymers derived from 3-(4-hydroxy-3-methoxyphenyl)-2-propenoic acid**
L. Mazur, Z. Rzaczyńska, A. Kula, Maria Curie-Skłodowska University, Lublin/PL

POSTER PROGRAMME

- 37 **Crystal networking strategies using metal carboxylates and N-donor building blocks**
M. Almáši, M. Špaková, M. Burcák, Z. Vargová, V. Zelenák, P.J. Šafárik, University Košice/SK; R. Gyepes, Charles University, Prague/CZ
- 38 **Synthesis and morphology of zeolitic imidazolate frameworks**
M. Gustafsson, C. Bonneau, M. Kritikos, X. Zou, Stockholm University/S
- 39 **Solvothermal synthesis and characterization of porous lanthanide carboxylates**
T. Devic, University of Versailles/F; A. Vimont, LCS, Caen/F; O. David, C. Serre, University of Versailles/F; M. Daturi, LCS, Caen/F; J. Marrot, G. Férey, University of Versailles/F
- 40 **Spectroscopy and diffraction studies of adsorption on the large pore metal bisphosphonate, STA-12**
S.R. Miller, G.M. Pearce, P.A. Wright, University of St. Andrews/UK; S. Chavan, F. Bonino, S. Bordiga, University of Turin/I; S. Bourrelly, P. Llewellyn, CNRS, Marseille/F; I. Margiolaki, ESRF, Grenoble/F; N. Guillou, G. Férey, University of Versailles/F
- 41 **Metal-organic frameworks with electron poor aromatic linkers**
K. Domasevitch, Kiev University/UA; P. Schmiedel, H. Krautscheid, University of Leipzig/D
- 42 **Investigations on Fe(II) and Co(II) frameworks containing naphthalene dicarboxylate linkers**
P. Schmiedel, H. Krautscheid, University of Leipzig/D
- 43 **Synthesis and structural characterisation of new magnesium carboxylates**
M. Mazaj, V. Kaucic, N. Zabukovec Logar, National Institute of Chemistry, Ljubljana/SLO
- 44 **New Cr^{III}, V^{III/IV}-based functionalized flexible metal-organic frameworks of the MIL-53 structure type**
V. Guillerm, A. Lieb, C. Serre, T. Devic, University of Versailles/F; A. Vimont, M. Daturi, University of Caen/F; G. Férey, University of Versailles/F
- 45 **New synthetic routes to porous metal(IV) carboxylates**
C. Serre, V. Guillerm, T. Devic, M. Dan, G. Férey, University of Versailles/F

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- 46 **Porous zirconium-organic framework materials**
B. Papendorf, A. Schaate, P. Behrens, M. Wiebcke, University of Hanover/D
- 47 **A series of Fe^{III}-based functionalized flexible porous metal-organic frameworks: synthesis, characterization and breathing properties**
P. Horcajada, C. Serre, T. Devic, University of Versailles/F; G. Maurin, F. Salles, University of Montpellier 2/F; S. Bourrelly, P. Llewellyn, University of Provence, Marseille/F; S. Bauer, N. Stock, University of Kiel/D; G. Férey, University of Versailles/F
- 48 **Key processes in the standard synthesis and the structural formation of zinc carboxylate based metal-organic frameworks**
S. Hausdorf, J. Seidel, W. Seichter, E. Weber, F. Mertens, TU Bergakademie Freiberg/D
- 49 **Design of 3-dimensional frameworks by planar-like metal coordination of tetrahedral linkers**
I. Weber, W. Seichter, F. Mertens, TU Bergakademie Freiberg/D
- 50 **New network coordinations with transition metals and aromatic polycarboxylates**
F. Silva, S. Júnior, Universidade Federal de Pernambuco, Recife/BR
- 51 **Structure analysis of [Ru(cod)(cot)]@MOF-5 from XRD powder data**
B. Marler, F. Schröder, R. Fischer, University of Bochum/D
- 52 **4,5-Dicyanoimidazole – new organic precursors for the synthesis of porous metal-organic frameworks**
M. Junginger, H. Müller, A. Kelling, F. Debatin, U. Schilde, H.-J. Holdt, University of Potsdam/D; A. Thomas, MPI of Colloids and Interfaces, Potsdam/D
- 53 **Structures and guest-recognition properties of one-dimensional Cu(II) coordination polymer**
S. Noro, T. Akutagawa, T. Nakamura, Hokkaido University, Sapporo/J; S. Horike, D. Tanaka, H. Sakamoto, S. Kitagawa, Kyoto University/J
- 54 **Systematic studies on the postsynthetic modification of metal-organic frameworks**
K.K. Tanabe, Z. Wang, S.M. Cohen, University of California, La Jolla, CA/USA

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- 55 **Tandem modification of metal-organic frameworks via postsynthetic approach**
Z. Wang, S.M. Cohen, University of California, La Jolla, CA/USA
- 56 **A new class of 3-D porous framework: [Ln(H₂O)_n]³⁺ ions act as pillars between π -stacked and H-bonded sheets of (M-BDTH)⁻ organic anions in [Ln(H₂O)_n](m-BDTH)₃·9(H₂O)**
G.E. Kostakis, C.E. Anson, A.K. Powell, University of Karlsruhe/D

Gas and Liquid Adsorption

- 58 **A complete understanding of water adsorption in rigid and breathing metal-organic frameworks: a combination of complementary experimental tools**
S. Devautour-Vinot, J.C. Giuntini, University of Montpellier 2/F; T. Devic, C. Serre, F. Millange, University of Versailles/F; S. Bourrelly, P. Llewellyn, University of Provence, Marseille/F; G. Férey, University of Versailles/F; G. Maurin, University of Montpellier 2/F
- 59 **Universal force field parameters for fast and reliable H₂ uptake predictions of metal-organic frameworks based on Monte Carlo simulations**
F. Hoffmann, M. Fischer, M. Fröba, University of Hamburg/D
- 60 **Study of the adsorption sites in the metal-organic framework Cu-BTC using molecular simulation**
E. Garcia-Perez, University Pablo de Olavide, Sevilla/E; J. Gascón, F. Kapteijn, Delft University of Technology/NL; V. Morales-Florez, University of Sevilla/E; J.M. Castillo, S. Calero, University Pablo de Olavide, Sevilla/E
- 61 **High NO adsorption on Ni(II) ions in CPO-27 metal-organic framework**
F. Bonino, S. Chavan, L. Regli, J.G. Vitillo, E. Groppo, C. Lamberti, S. Bordiga, A. Zecchina, University of Turin/I; C. Prestipino, ESRF, Grenoble/F; P.D.C. Dietzel, SINTEF Materials and Chemistry, Oslo/N and University of Oslo/N
- 62 **A comparison of metal-organic frameworks and zeolites as nitric oxide storage and delivery materials**
P.S. Wheatley, A.C. McKinlay, R.E. Morris, University of St. Andrews/UK
- 63 **Gas storage and separation in metal and covalent-organic frameworks: atomistic simulation study**
R. Babarao, J. Jiang, National University of Singapore/SGP

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- 64 **High pressure methane storage in metal-organic frameworks**
I. Senkowska, S. Kaskel, TU Dresden/D
- 65 **H₂ adsorption in metal-organic frameworks: dispersion or electrostatic interactions?**
A. Kuc, TU Dresden/D; T. Heine, Jacobs University Bremen/D; G. Seifert, TU Dresden/D
- 66 **Adsorption and co-adsorption in flexible metal-organic framework materials: molecular simulations compared to experiments**
A. Ghoufi, N. Rosenbach, University of Montpellier 2/F; S. Bourrelly, P. Llewellyn, University of Provence, Marseille/F; T. Devic, C. Serre, G. Férey, University of Versailles/F; G. Maurin, University of Montpellier 2/F
- 67 **Water adsorption on metal-organic frameworks**
P. Küsgens, M. Rose, S. Kaskel, TU Dresden/D
- 68 **Structural effects of the nature of solvents on the breathing of metal-organic frameworks: an *in situ* diffraction study**
E. Millange, C. Serre, N. Guillou, G. Férey, University of Versailles/F; R.I. Walton, University of Warwick/UK
- 69 **Investigation of the breathing effect of MIL-53 metal-organic frameworks compared to MIL-47 rigidity upon adsorption of pure H₂S and CH₄ and their binary mixture**
L. Hamon, Faculté Polytechnique de Mons/B; G. Maurin, A. Ghoufi, University of Montpellier 2/F; C. Serre, T. Devic, T. Loiseau, G. Férey, University of Versailles/F; G. De Weireld, Faculté Polytechnique de Mons/B
- 70 **Understanding the adsorption of water on metal-organic frameworks**
J.M. Castillo, S. Calero, University Pablo de Olavide, Sevilla/E
- 71 **Separation of aromatic hydrocarbons by metal-organic frameworks**
D. Peralta, K. Barthelet, G. Pirngruber, IFP, Vernaison/F; F. Millange, University of Versailles/F
- 72 **Adsorption and beyond: using molecular simulation to understand adsorption in metal-organic frameworks**
C. Prosenjak, P. Lozano-Casal, T. Düren, University of Edinburgh/UK
- 73 **Stepwise adsorption/desorption via shrunk intermediate state on jungle-gym-type porous coordination polymers**
K. Uemura, Y. Yamasaki, H. Kita, Yamaguchi University, Ube/J

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- 74 **Adsorption of carbon dioxide in metal-organic frameworks at moderate pressures: effect of pore size, open metal sites, and functionalized ligands**
J.R. Karra, K.S. Walton, Kansas State University, Manhattan, KS/USA
- 75 **Synthesis and gas-sorption characteristics of a porous coordination solid, cobalt pyridine-dicarboxylate**
J.W. Yoon, Y.K. Hwang, Korea Research Institute of Chemical Technology (KRICT), Daejeon/ROK; S.H. Jung, Kyungpook National University, Daegu/ROK; S.M. Humphrey, P.T. Wood, University of Cambridge/UK; J.-S. Chang, Korea Research Institute of Chemical Technology (KRICT), Daejeon/ROK
- 76 **Characterization of a flexible metal-organic framework material by means of low temperature gas adsorption with cryogenic device**
K. Nakai, BEL Japan Inc., Osaka/J; D. Tanaka, S. Kitagawa, Kyoto University/J
- 77 **Improving hydrogen storage capacity of metal-organic frameworks by functionalization of the organic linker with lithium atoms**
E. Klontzas, A. Mavrandonakis, E. Tylanakis, G.E. Froudakis, University of Crete, Heraklion/GR
- 78 **Hydrogen storage in metal-organic frameworks**
S. Gazard, P.D. Lickiss, A.J.P. White, Imperial College, London/UK
- 79 **Heat of adsorption for hydrogen in metal-organic frameworks**
B. Schmitz, M. Hirscher, MPI for Metals Research, Stuttgart/D
- 80 **Phase transitions and CO₂ adsorption of polymeric magnesium formate**
A. Rossin, ICCOM-CNR, Florence/I; F. Costantino, University of Perugia/I; B. Di Credico, ICCOM-CNR, Florence/I; P. Fornasiero, University of Trieste/I; L. Gonsalvi, A. Lenco, ICCOM-CNR, Florence/I; T. Montini, University of Trieste/I; M. Peruzzini, ICCOM-CNR, Florence/I
- 81 **IM-19: a flexible microporous gallium-containing metal-organic framework**
G. Chaplais, A. Simon-Masseron, J. Patarin, Université de Haute Alsace, Mulhouse/F; N. Bats, D. Bazer-Bachi, IFP, Lyon/F

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- 82 **Adsorption studies on the small pore scandium terephthalate Sc₂(O₂CC₆H₄CO₂)₃**
S.R. Miller, P.A. Wright, University of St. Andrews/UK; T. Devic, C. Serre, G. Férey, University of Versailles/F; S. Bourrelly, L. Gaberova, P. Llewellyn, CNRS, Marseilles/F; Y. Filinchuk, ESRF, Grenoble/F
- 83 **Structure and function of TCNQ based porous coordination polymers**
S. Shimomura, S. Horike, R. Matsuda, S. Kitagawa, University of Kyoto/J
- 84 **Adsorption dynamics of organic compounds in the metal-organic frameworks MIL-47, MIL-53 and CuBTC**
V. Finsy, Vrije Universiteit Brussel/B; D.E. De Vos, Katholieke Universiteit Leuven/B; G.V. Baron, J.F.M. Denayer, Vrije Universiteit Brussel/B
- 85 **Confinement effects in the vapour phase adsorption of xylene isomers on the metal-organic framework MIL-47**
V. Finsy, G. Vedts, Vrije Universiteit Brussel/B; M. Maes, L. Alaerts, D.E. De Vos, Katholieke Universiteit Leuven/B; G.V. Baron, J.F.M. Denayer, Vrije Universiteit Brussel/B
- 86 **Biogas-upgrading by selective removal of CO₂ using microporous metal-organic frameworks**
M. Schindler, S. Ernst, University of Kaiserslautern/D
- 87 **Coupling several methods to measure coadsorption on metal-organic frameworks: large pore (MIL-100 & MIL-101) and flexible (MIL-53) materials**
P. Llewellyn, S. Bourrelly, Laboratoire Chimie Provence, Marseille/F; C. Serre, T. Devic, G. Férey, University of Versailles/F; A. Vimont, M. Daturi, LCS, Caen/F; Y. Filinchuk, SNBL-ESRF, Grenoble/F; G. Maurin, Institut Gerhardt, Montpellier/F
- 88 **Adsorption, microcalorimetry and in situ XRPD of polar vapours adsorbed in the flexible MIL-53 metal-organic frameworks**
S. Bourrelly, S. Loera-Serna, R. Denoyel, P. Llewellyn, Laboratoire Chimie Provence, Marseille/F; T. Devic, P. Horcajada, C. Serre, F. Millange, G. Férey, University of Versailles/F; Y. Filinchuk, SNBL-ESRF, Grenoble/F; G. Maurin, Institut Gerhardt, Montpellier/F

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- 89 **How linker functionalisation affects the breathing behaviour of the flexible nanoporous metalocarboxylates MIL-88**
P. Horcajada, T. Devic, C. Serre, O. David, University of Versailles/F; S. Bauer, N. Stock, University of Kiel/D; G. Férey, University of Versailles/F
- 90 **Characterization of the acid-base properties of porous MIL-100 and MIL-101 metal-organic frameworks for the CO₂ storage – a comparison with alkali exchanged faujasites**
A. Vimont, J.C. Lavalley, H. Leclerc, M. Daturi, University of Caen/F; S. Bourrelly, P. Llewellyn, University of Provence, Marseille/F; S. Surblé, C. Serre, G. Férey, University of Versailles/F
- 91 **Kinetic gate-opening process in a flexible porous coordination polymer**
D. Tanaka, K. Nakagawa, S. Hosike, H. Masakazu, S. Kitagawa, Kyoto University/J
- 92 **Guest selective adsorption on flexible microporous coordination polymers**
R. Matsuda, Japan Science and Technology Agency, Kyoto/J; Y. Kubota, Osaka Prefecture University/J; M. Takata, RIKEN, Hyogo/J; S. Kitagawa, Kyoto University/J
- 93 **DFT and ab-initio study of dihydrogen interaction with new lithiated organic linkers suitable for hydrogen storage applications**
A. Mavrandonakis, Forschungszentrum Karlsruhe GmbH/D; W. Klopffer, University of Karlsruhe/D

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U. Ruschewitz, C. Seidel, D. Schaniel, A. Schuy, Th. Woike, University of Cologne/D
- 95 **Tuning the absorption edge of ZnO metal-organic frameworks**
J. Gascon, A.R. Almeida, M.D. Hernandez-Alonso, G.P.M. van Klink, G. Mul, F. Kapteijn, Delft University of Technology/NL
- 96 **Exceptional behaviour over the whole adsorption-storage-delivery cycle for NO in metal-organic frameworks**
A.C. McKinlay, P.S. Wheatley, D.S. Wragg, B. Xiao, University of St. Andrews/UK; I.L. Megson, UHI Millenium Institute, Inverness/UK; R.E. Morris, University of St. Andrews/UK

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- 97 **Inorganic-organic hybrids based on metal phosphonates. Applications in anti-corrosion protective coatings**
K. Demadis, M. Papadaki, E. Barouda, University of Crete, Heraklion/GR
- 98 **Porous metal bis- and tetrakis-phosphonate hybrids**
M. Aranda, A. Cabeza, R.M.P. Colodrero, P. Olivera-Pastor, Universidad de Málaga/E; A. Clearfield, Texas A&M University, College Station, TX/USA; D. Villemin, University of Caen/F; R.E. Morris, University of St. Andrews/UK
- 99 **Zn(II)oligo(phenyleneethynylene)dicarboxylate coordination polymers**
A. Schaate, University of Hanover/D; M. Schulte, Bielefeld University/D; M. Wiebcke, University of Hanover/D; A. Godt, Bielefeld University/D; P. Behrens, University of Hanover/D
- 100 **Hydrothermal stability of metal-organic frameworks: combinatorial steaming, molecular modeling, and in situ x-ray diffraction**
R. Willis, A. Benin, S. Faheem, J. Abrahamian, J. Low, UOP LLC, a Honeywell Company, Des Plaines, IL/USA
- 101 **ESR spectroscopy of cupric ions in Cu₃(BTC)₂**
A. Pöppl, M. Bertmer, University of Leipzig/D; S. Kunz, D. Himsl, M. Hartmann, University of Augsburg/D
- 102 **Force fields for metal-organic frameworks parameterized systematically from first principles using a genetic algorithm approach**
M. Tafipolsky, R. Schmid, University of Bochum/D
- 103 **Mixed lanthanides-based metal-organic framework: preparation and photoluminescence**
S. Gross, University of Padova/I; T. Devic, University of Versailles/F; M. Pascolini, University of Padova/I; C. Serre, G. Férey, University of Versailles/F; E. Tondello, University of Padova/I
- 104 **New solid trap based in metal-organic frameworks for dynamic headspace analysis**
K.A. Wanderley, M.O. Rodrigues, D.M.F. Navarro, S.A. Junior, Universidade Federal de Pernambuco, Recife/BR
- 105 **Towards functional materials by incorporating metal complexes in metal-organic frameworks**
L.P.J. Veraart, R. de Gelder, J.M.M. Smits, A.E. Rowan, F.F.B.J. Janssen, Radboud University Nijmegen/NL

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- 106 **Luminescent rare earth amide metal-organic frameworks: a way to new phosphors?**
K. Müller-Buschbaum, C.J. Höller, R. Köhn, University of Munich/D; C. Wickleder, University of Siegen/D; C. Feldmann, TU Karlsruhe/D
- 107 **Lanthanides organic frameworks: a theoretical and experimental comparison of the structural and spectroscopic properties**
S. Alves Junior, M.O. Rodrigues, Universidade Federal de Pernambuco, Recife/BR; R.O. Freire, Universidade Federal de Sergipe, Aracaju/BR; W.M. Azevedo, Universidade Federal de Pernambuco, Recife/BR
- 108 **Fluorescent dye doped metal-organic frameworks**
D. Zacher, M. Ma, R.A. Fischer, N. Metzler-Nolte, University of Bochum/D
- 109 **Self-diffusion and adsorption of hydrocarbons in CuBTC**
M. Wehring, F. Stallmach, University of Leipzig/D; J. Gascon, F. Kapteijn, Delft University of Technology/NL
- 110 **Stability of organic frameworks and their complexes with CO₂ and CH₄ investigated by quantum chemical calculations**
A. Pianwanit, D. Nuntasri, S. Hannongbua, Chulalongkorn University, Bangkok/THA; C. Kritayakornupong, King Mongkut's University of Technology Thonburi, Bangkok/THA; T. Remsungnen, Khon Kaen University/THA; O. Saengsawang, S. Fritzsche, University of Leipzig/D
- 112 **Adsorption and diffusion of alkanes in Cu₃(BTC)₂ crystals investigated using FTIR microscopy and molecular simulations**
C. Chmelik, L. Heinke, J. Kärger, University of Leipzig/D; M. Wiebcke, J. Caro, University of Hanover/D; J.M. van Baten, R. Krishna, University of Amsterdam/NL
- 113 **Determining the transport parameters in nanoporous materials from transient concentration profiles**
L. Heinke, D. Tzoulaki, C. Chmelik, J. Kärger, University of Leipzig/D
- 114 **Thin film of flexible porous metal-organic frameworks by dip-coating method**
P. Horcajada Cortes, University of Versailles/F; D. Grosso, University of Paris 6/F; C. Serre, University of Versailles/D; C. Boissiere, C. Sanchez, University of Paris 6/F; G. Férey, University of Versailles/F

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- 115 **Manganese coordination polymers constructed from metal clusters**
S. Baca, Academy of Science of Moldova, Chisinau/MD; T. Kenee, S. Decurtins, University of Bern/CH
- 116 **Preparation and evaluation of metal-organic frameworks as drug delivery systems**
D. Cunha, D.P.A. Lima, S.A. Júnior, Universidade Federal de Pernambuco, Recife/BR
- 117 **Doped metal-organic frameworks capable of conducting protons at temperatures >120 °C**
J. Hurd, V. Ramanathan, V. Thangadurai, G.K.S. Shimizu, University of Calgary/CDN
- 118 **Enhancement of hydrogen adsorption in metal-organic frameworks by the incorporation of the sulfonate group**
A. Mavrandonakis, E. Klontzas, E. Tylianakis, G.E. Froudakis, University of Crete, Heraklion/GR

Catalysis and Reactions

- 119 **A computational investigation of framework effects on enantioselective catalysis**
G.A. Emberger, R.Q. Snurr, L.J. Broadbelt, Northwestern University, Evanston, IL/USA
- 120 **Stability and catalytic properties of modified Zn-MOFs**
W. Kleist, M. Maciejewski, F. Jutz, A. Baiker, ETH Zurich/CH
- 121 **Highly active Pd/MIL-101 for catalytic gas-phase hydrogenations**
R. Kraehnert, D. Linke, Leibniz Institute for Catalysis, Berlin/D; A. Henschel, S. Kaskel, TU Dresden/D
- 122 **Ru nanoparticles@MOF-5: a model system for colloidal Ru particles**
F. Schröder, D. Esken, M. van den Berg, University of Bochum/D; O.I. Lebedev, University of Antwerp/B; B. Walaszek, G. Buntkowsky, University of Jena/D; R.A. Fischer, University of Bochum/D
- 123 **Loading of [Zn₄O(bdc)₃] (MOF-5) and [Zn₄O(btb)₂] (MOF-177) with metal and metaloxide nanoparticles by gas-phase infiltration with organometallic precursors: properties of Cu/ZnO/MOF as catalysts for methanol synthesis**
M. Müller, S. Hermes, R.A. Fischer, K. Kähler, M. Muhler, University of Bochum/D

POSTER PROGRAMME

- 124 **Coordination polymers based on the triangular $[\text{Cu}_3(\text{m}_3\text{-OH})(\text{m-pz})_3]^{2+}$ core and unsaturated carboxylates. Crystal structures, electrochemical behaviour and catalytic activity in peroxidative oxidation of cycloalkanes**
 F. Garau, L. Pandolfo, University of Padova/I; C. Di Nicola, J. Ngoune, C. Pettinari, University of Camerino/I; M. Monari, University of Bologna/I; A.J.L. Pombeiro, L.M.D.R.S. Martins, Y.Y. Karabach, Instituto Superior Técnico, Lisbon/P
- 125 **Metal-organic frameworks as precursors for unsupported HDS catalysts**
 F.B. Johansson, M. Brorson, Haldor Topsoe A/S, Lyngby/DK
- 126 **Comparison of liquid- and gas-phase loading of MOF-5 with Pd-precursors and influence of stabilizing additives on the nanoparticle formation**
 D. Esken, S. Henke, R.A. Fischer, University of Bochum/D
- 127 **Solution infiltration of palladium into metal-organic frameworks: synthesis, characterization and catalytic properties**
 A. Henschel, M. Sabo, H. Fröde, TU Dresden/D; E. Klemm, Chemnitz University of Technology/D; S. Kaskel, TU Dresden/D
- 128 **Catalytic activity of MIL-101 in cyanosilylation reaction**
 K. Gedrich, S. Kaskel, TU Dresden/D
- 130 **First results in applications of metal-organic frameworks in selective catalysis**
 J. Harloff, University of Rostock/D; H. Kosslick, Leibniz Institute for Catalysis e.V. at the University of Rostock/D; A. Schulz, University of Rostock/D; K. Junge, T. Schareina, M. Beller, Leibniz-Institute for Catalysis e.V. at the University of Rostock/D

POSTER AWARD / LAST-MINUTE POSTERS

POSTER AWARD INFORMATION

A poster prize will be awarded for the best poster. Elsevier sponsors a one year complimentary subscription for „Microporous and Mesoporous Materials“ to the winner. The award will be conferred at the end of the conference before the closing remarks, Friday, October 10, 2008 at 16:00. All poster authors are requested to attend the session.



LAST-MINUTE POSTERS

Further poster contributions can be accepted as last-minute posters, subject to approval by the Scientific Committee and as long as free capacity is available. These last-minute posters will be announced in the last-minute information available at the beginning of the conference and on the conference website.

Submission of last-minute posters is possible until **September 10, 2008**, at the latest. Papers can only be accepted via online submission. For full information and submission: www.mof2008.de.

Please note: the registration fee cannot be waived for authors.

EXHIBITION / ACKNOWLEDGEMENT**EXHIBITION**

Parallel to the scientific sessions, companies are invited to present products, processes and services in the field of metal-organic frameworks. The exhibition area is close to the lecture and poster hall and allows an ideal integration of lectures, poster discussions as well as company and product presentations. For further details concerning application for stands and the organisation please contact the congress office.

The following companies have already registered (updated list available at www.mof2008.de):

Hidden Isochema Ltd.	Warrington/UK
Quantachrome GmbH & Co. KG	Odelzhausen/D
Rubotherm Präzisionsmesstechnik GmbH	Bochum/D

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Bochum/D



Süd-Chemie AG,
Munich/D

SOCIAL PROGRAMME

Tuesday, October 7, 2008

18:00 – 21:00

Welcome reception

There will be an informal gathering at Kongresshalle Augsburg to welcome participants to the conference. Drinks and snacks will be served by invitation of the organisers.

Free of charge, registration is required.

Wednesday, October 8, 2008

17:25 – 19:30

Poster party

In order to give each participant an adequate opportunity for an intensive discussion of the poster contributions a poster party will take place. Poster authors are requested to be present at their posters.

Free of charge, registration is required.

Thursday, October 9, 2008

18:30 – 23:30

Conference dinner

The conference dinner will take place at „Bahnpark Augsburg“. Get the authentic feeling of a railway-workshop with intact workshop atmosphere and historic steam locomotives stock. Bahnpark Augsburg will inspire all people, who will make a new experience of railway history and tradition.

Bahnpark Augsburg presents historical locomotives and wagons – not only as pieces of a museum. In the factories experts take care of the repair, the current maintenance and museum like processing of the vehicles.

Join us for a fascinating guided tour of the historic railway-workshop! Enjoy an entertaining evening with your colleagues in the special atmosphere of this historical location.



Cost per person: EUR 58,00 (incl. 19% VAT.) incl. guidance, dinner and drinks
Registration is required

Shuttle bus: 18:30 departure at Kongresshalle Augsburg, Registration desk

Start conference dinner: 19:00 at Bahnpark Augsburg

GENERAL INFORMATION**CONFERENCE VENUE**

The conference will be held at:
Kongresshalle Augsburg
Gögginger Straße 10
86159 Augsburg/Germany

Ideally situated, close to the city and within the "Wittelsbacher Park" Kongresshalle Augsburg is located in the heart of the oldest city in Bavaria. The walking distance to the city centre is approximately 10 min.



For details please visit www.kongresshalle-augsburg.de.

FURTHER SIGHTSEEING INFORMATION**History of a 2000-year-old town**

Ever since its founding by Caesar Augustus - after whom it was named, the town of Augsburg has stood at the intersection of some of the most important trade and travel routes on the continent. Even in the middle ages the city owed its great importance to his favoured position. In the 13th century the citizens achieved for the old cathedral town of Augsburg the status of a free city in the Holy Roman Empire (Reichsstadt). The Welsers with their shipping interests and the rich and influential Fuggerei helped to turn Augsburg into a city of international importance: a city of emperors and a venue for imperial diets, the home and workplace of famous artists, sculptors and composers.

The face of Augsburg has been shaped by its 2000-year history and within it the styles of all the major architectural periods are to be found. Fine spacious streets, monumental fountains and distinctive public buildings recall the profound thought and planning of the earlier citizens of Augsburg.

The Renaissance remains one of the high points of the city's cultural history; at that time Augsburg was a centre of architecture, music and painting. The ancestors of Holbein and Mozart lived for centuries in the city and its hinterland. The rococo style was in its time described as the „Augsburg style“. Today, concerts in magnificent old halls, open-air opera at the Rotes Tor, art exhibitions, museums and churches are just as much the goal of

GENERAL INFORMATION

international tourists as are the Fuggerei, the Schaezlerpalais, the Mozart House or the Bert Brecht House.

Augsburg is the third largest city in Bavaria, a university city, the seat of the Swabian government and an important economic centre where internationally renowned companies offer state-of-the-art computer and electronic technology.

Since 1237 the city has displayed the pine cone on its coat-of-arms. The city emblem recalls its numerous representations in stone from Augsburg's era as a Roman capital, being displayed, for an example, on the Roman wall on the Fronhof.

For further information please contact:

Tourist-Information
Maximilianstraße 57
86150 Augsburg/Germany
Phone: +49 (0)821 50207-0
Fax: +49 (0)821 50207-45
E-Mail: tourismus@regio-augsburg.de
Internet: www.augsburg-tourismus.de



GENERAL INFORMATION**MOF2008 – CONFERENCE OFFICE**

DECHEMA e.V.

Attn.: Ms. Andrea Arndt & Ms. Heike Geiling

Theodor-Heuss-Allee 25

60486 Frankfurt am Main/Germany

Phone: +49 (0)69 7564-274 or -280

Fax: +49 (0)69 7564-176

E-Mail: arndt@dechema.de or geiling@dechema.de

Internet: www.mof2008.de

OFFICE HOURS

Tuesday	October 7, 2008	16:00 – 21:00
Wednesday	October 8, 2008	07:30 – 19:30
Thursday	October 9, 2008	08:00 – 17:30
Friday	October 10, 2008	08:30 – 16:30

Phone: +49 (0)821 324-2352

Fax: +49 (0)821 324-2374

REGISTRATION

Please complete the appropriate sections of the enclosed registration form and return it to DECHEMA e.V. Please use a separate copy for each participant.

Online registration is also possible at www.mof2008.de.

Confirmation of registration and the invoice will be sent after receipt of the registration form. Conference ticket, list of participants, book of abstracts, and name tag will be available at the Kongresshalle Augsburg.

In general there is no registration deadline as long as free capacity is available. Please note: registrations made after **September 23, 2008** are not guaranteed to appear in the list of participants.

GENERAL INFORMATION**REGISTRATION FEES**

	Members ^{*)}	Others
Participant from Industry	EUR 610 ¹⁾	EUR 625 ¹⁾
Participant from Academia	EUR 380 ¹⁾	EUR 395 ¹⁾
Student/Pensioner (proof of status must be attached)	EUR 105 ¹⁾	EUR 120 ¹⁾

* No VAT requested according to § 4.22 UstG

** Personal DECHEMA members and EFC/EFCE passport holders

The fee includes the book of abstracts, list of participants, proceedings (except student tickets) and beverages during the coffee breaks, but no lunch.

REMITTANCE OF FEES

Fees should be remitted on receipt of invoice in favour of DECHEMA e.V., stating the invoice number, name of the participant and the keyword "MOF08", to one of the DECHEMA accounts as stated in the invoice. Payment by credit card is also possible (see registration form).

CANCELLATIONS AND REFUNDS

EUR 30 for administrative costs will be charged for cancellations received by **September 10, 2008**. Thereafter 80% of the registration fee will be invoiced; however, the book of abstracts will be mailed. Only written cancellations will be accepted.

LUNCH

Lunch will be available at Kongresshalle Augsburg or at the local restaurants and pubs. Participants are expected to pay their lunch themselves.

PROCEEDINGS

A special volume of „Microporous and Mesoporous Materials“ with full papers of keynotes and selected lectures will be published after the conference and is included in the conference fee (except student tickets). The publisher aims to produce a special issue within approximately 1 year of the conference: thus, all refereeing matters and paper revisions should be completed no later, and preferably earlier than, October 8, 2009.

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VISA FORMALITIES

Participants from a number of countries may need an entry visa for the Federal Republic of Germany. It is recommended to apply for a visa well in advance of the conference. If a formal invitation letter is needed, please order it via the conference website www.mof2008.de in good time.

INSURANCE

The organisers cannot accept responsibility for loss or damage to the private property of participants and accompanying persons which may occur either during or arising from the conference. Participants should therefore take whatever steps they consider necessary regarding insurance.

ACCOMMODATION

Accommodation in various hotels, categories and at special rates has been reserved for conference participants.

We highly recommend to book your hotel room at your earliest convenience under the code "DECHEMA", but until **August 28, 2008** at the latest. Room reservations are binding. Charges for rooms which will not be used, or cancelled too late, must be paid by the participant.

Room reservation will be made by:

Ms. Susanne Gaßner
room-reservation-service
Regio Augsburg Tourismus GmbH
Schießgrabenstraße 14
86150 Augsburg
Phone: +49 (0)821 50207-31
Fax: +49 (0)821 50207-46
E-Mail: hotelservice@regio-augsburg.de
Internet: www.augsburg-tourismus.de

A room reservation form as a pdf-file is available at the website www.mof2008.de (general information). Please download the form and return it to the given address or use the online registration tool.