7th International Symposium on Acid-Base Catalysis *(updated May 13)*

Sunday / May 12th

15:00 -	Registration	
17:00 -	Welcome Party	

Monday / May 13th

08:30 -	Registration	
	Room A	Room B
09:00 - 09:15	Opening Ceremony	
09:15 - 10:15	**PL-1** (Chairperson: J. Sommer) **Johannes Lercher** (Technische Universität München, Germany) "Understanding Zeolite Activity in Acid-Base Catalyzed Reactions - From the Gas Phase to an Aqueous Environment"	
10:15 - 10:45	Coffee Break	
10:45 - 11:05	**OA-01** Methyl Chloride Synthesis over $ZnCl_2$ Modified Zeolites and Alumina - Relation Between Acidity, Activity and Selectivity *Sabrina A. Schmidt, Narendra Kumar, Kari Eränen, Dmitry Yu. Murzin, Tapio Salmi*	**KL-B1** **Yong-Ki Park** (Korea Research Institute of Chemical Technology, Korea) "Challenges in Catalytic Cracking for the Production of Light Olefins: Consideration in Catalyst and Process Design"
11:05 - 11:25	**OA-02** Ring-Opening of Tetrahydrofuran to Butyraldehyde Catalyzed by Lewis Acid Sites on Solid-State Molybdenum Sulfide Clusters with an Octahedral Metal Framework *Satoshi Kamiguchi, Kazu Okumura, Sayoko Nagashima, Teiji Chihara*	
11:25 - 11:45	**OA-03** Design of Niobium Catalysts: Controlling of Lewis and Brönsted Acid Sites *Yu Zhang, Xiangcheng Li, Jiawen Ren, Xiaohui Liu, Ting Ying, Guanzhong Lu, Yanqin Wang*	**OB-01** Advanced Catalysts for the Production of Isobutene from MTBE *Asli Nau, Frank Geilen, Horst-Werner Zanthoff*
11:45 - 12:05	**KL-A1** **Barbara Onida** (Politecnico di Torino, Italy) "Acidic and Basic Sites in Ordered Mesoporous Organosilicas"	**OB-02** Disproportionation of Trimethylbenzene over Beta Zeolite *Yu-Wen Chen, Shiao-Jung Chu*
12:05 - 12:25		**OB-03** Guest-Host Interactions of Arenes in H-ZSM-5 and Their Impact on Methanol-to-Hydrocarbons Deactivation Processes *Rasmus Y. Brogaard, Bert M. Weckhuysen, Jens K. Nørskov*
13:40 - 14:40	**PL-2** (Chairperson: M. Onaka)	

	Kazuaki Ishihara (Nagoya University, Japan) "Rational Design of Supramolecular Catalysts Based on Acid-Base Combination Chemistry"	
14:40 - 15:00	Coffee Break	
15:00 - 15:20	**KL-A2** **German Sastre** (Instituto de Tecnologia Quimica, UPV CSIC, Spain) "Influence of Shape-Selectivity in Zeolite Catalysts. A Computational View"	**OB-04** Efficient Chemical Fixation of CO_2 at Atmospheric Pressure Catalyzed by a Monomeric Tungstate *Toshihiro Kimura, Keigo Kamata, Noritaka Mizuno*
15:20 - 15:40		**OB-05** Water-Accelerated Allylsilylation of Alkenes Using a Proton-Exchanged Montmorillonite as a Solid Acid Catalyst *Ken Motokura, Shigekazu Matsunaga, Hiroto Noda, Akimitsu Miyaji, Toshihide Baba*
15:40 - 16:00	**OA-04** Direct Measurement of the Activation Energy of Hydride Transfer of Isobutane by Double ^{13}C-^{2}H Isotope Labeling. A Kinetic Study by In Situ MAS NMR *Sophie Borghèse, Mohamed Haouas, Jean Sommer, Francis Taulelle*	**OB-06** Selective Production of Lactic Acid from Triose over Phosphate/TiO_2 with Water-Tolerant Lewis Acid Sites *Kiyotaka Nakajima, Masaski Kitano, Michikazu Hara*
16:00 - 16:20	**OA-05** High Activity Solid Base Catalysts for Alkenyl Aromatic Isomerisation *Kathryn Girling, S. David Jackson*	**OB-07** Hydrodechlorination of 1,2-Dichloroethane on Nickel Loaded Beta Zeolites: Influence of the Acidity and Nickel State on Product Selectivity *R. Baran, I.I. Kamińska, S. Casale, T. Onfroy, A. Śrębowata, S. Dzwigaj*
16:20 - 16:40	**OA-06** Side-Chain Alkylation of Toluene with Methanol to Styrene over Modified Cesium Ion-Exchanged Zeolite X *W. O. Alabi, B. B. Tope, K. Alam, A. M. Aitani, H. Hattori, S. S. Khattaf*	**OB-08** Identification of the Active Sites Responsible for the Atypical Performances of Hydroxyapatite Basic System in the Ethanol Conversion in *n*-Butanol *Sarah Diallo-Garcia, Manel Ben Osman, Jean Marc Krafft, Yannick Millot, Guylène Costentin*
16:40 - 17:00	**OA-07** Tuning Acid-Base Cooperativity of Amines and Silanols for C-C Bond Forming Reactions through Controlling the Linker Length and *Pore Size* *Nicholas A. Brunelli, Hyung Ju Kim, Christopher W. Jones*	**KL-A5** **Yuichi Kamiya** (Hokkaido University, Japan) "Quantitative Understanding of Surface Acidity of Supported Heteropolyacids"
17:00 - 17:20	**OA-08** Acid-Base Concerted Catalysis in the Dehydration of 1,4-Butanediol over Er2O3 *Fumiya Sato, Satoshi Sato*	
17:30 - 18:00	**Award** (Chairperson: F. C. Jentoft) **2013 Acid-Base Catalysis Young Scientist Award lecture** **Benoit Louis** (Université de Strasbourg, France) "Tailored-made zeolites for chemical reactions"	
18:00 - 19:30	**Poster Session 1 (Salvia and Dahlia room)** **PA-001 ~ PA-076, RRR-001 ~ RRR-011**	
Tuesday / May 14th		
08:30 -	Registration	

	Room A	Room B
09:00 - 10:00	**PL-3** (Chairperson: J. C. Vedrine) **Bert Weckhuysen** (Universität Utrecht, The Netherlands) "Nanoscale Imaging of Acidity, Porosity and Reactivity within Molecular Sieves"	
10:00 - 10:20	Coffee Break	
10:20 - 10:40	**OA-09** Hexane Cracking Catalyzed by MSE-type Zeolite as a Solid Acid Catalyst *Yoshihiro Kubota, Satoshi Inagaki, Kazuyoshi Takechi*	**OB-20** FT-IR Study on the Mechanism of Methanol-to-Olefin Reaction *Hiroshi Yamazaki, Toshiyuki Yokoi, Takashi Tatsumi, Junko N. Kondo*
10:40 - 11:00	**OA-10** Hierarchical MTT Zeolite for Selective Cracking of *n*-Hexane to Propylene *Oki Muraza, Idris Bakare, Teruoki Tago, Hiroki Konno, Adnan M. Al-Amer, Zain H. Yamani, Yuta Nakasaka, Takao Masuda*	**OB-21** Regeneration for Promotion to Catalytic Activity of H-ZSM-5 for DME Conversion to Olefin *Atsushi Muramatsu, Masafumi Nakaya, Kohji Omata, Muneyoshi Yamada, Yuichiro Yamazaki*
11:00 - 11:20	**OA-11** MWW Structure-Related Aluminosilicates for Selective Synthesis of Aromatics *Peng Wu, Bin Zhang, Yongjun Ji, Yong Wang*	**OB-09** Gas Phase Dehydration of Glycerol to Acrolein over Tungstated Zirconias *Raja Znaiguia, Patrick Rey, Jean-Marc Millet, Stéphane Loridant*
11:20 - 11:40	**OA-12** Solidothermal Route for Synthesizing Zeolite Catalysts *Limin Ren, Qinming Wu, Xiangju Meng, Feng-Shou Xiao*	**OB-10** Performance of Supported Nb- and W-Oxides in the Gas-Phase Dehydration of Glycerol to Acrolein *Mariano Massa, Arne Andersson*
11:40 - 12:00	**KL-A3** **Shang-Bin Liu** (Institute of Atomic and Molecular Sciences, Academia Sinica, Taiwan) "Acidity of Solid and Liquid Acids Scaled by ^{31}P NMR Chemical Shifts of Phosphorous Probe Molecules"	**OB-11** Catalytic and Acid-Base Properties of $Ta_2O_5 \cdot xH_2O$ for Acrolein Production by Gas-Phase Dehydration of Glycerol *Li-Zhi Tao, Bo Yan, Zhun Hu, Yu Liang, Bo-Qing Xu*
12:00 - 12:20		**OB-12** Selective Hydrogenolysis of Glycerol to Valuable Chemicals Using Pt-AlO_x/WO_3 Catalysts" *Tomoo Mizugaki, Takayuki Yamakawa, Racha Arundhathi, Takato Mitsudome, Koichiro Jitsukawa, Kiyotomi Kaneda*
13:40 - 14:40	**PL-4** (Chairperson: E. Iglesia) **Unni Olsbye** (Oslo University, Norway) "On the Acid-Catalyzed Conversion of Methanol to Hydrocarbons"	
14:40 - 15:00	Coffee Break	
15:00 - 15:20	**KL-A4** **Naonobu Katada** (Tottori University, Japan) "Acid Strength of AlOHSi Unit in Aluminosilicate"	**OB-13** One-Pot Conversions of Sugars into Furfurals and Sugar Alcohols *Kohki Ebitani, Dabral Saumya, Tuteja Jaya, Shun Nishimura*

15:20 - 15:40		**OB-14** Tuning the Selectivity in Glycerol Dehydration Reaction by Precise Control of Acid-Base Features of Solid Catalysts *Dušan Stošić, Simona Bennici, Sergey Sirotin, Christophe Calais, Jean-Luc Couturier, Jean-Luc Dubois, Arnaud Travert, Aline Auroux*
15:40 - 16:00	**OA-13** The Acidity of Zeolites: Concepts, Measurements and Relation to Catalysis *E.G. Derouane, J.C. Védrine, R. Ramos Pinto, P.M. Borges, L. Costa, M.A.N.D.A. Lemos, F. Lemos, F. Ramôa Ribeiro*	**OB-17** Catalytic Activity and Reaction Mechanism of Bifunctional Partially Hydroxylated MgF_2 Catalysts for the Dehydration of Xylose to Furfural *I. Agirrezabal-Telleria, P.L. Arias, E.K. Kemnitz*
16:00 - 16:20	**OA-14** Distribution of Brönsted Acid Sites in ZSM-5 Zeolites, Its Control, and Effect on Cracking of Hydrocarbons *Jiri Dedecek, Petr Klein, Veronika Pashkova, Petr Sazama, Blanka Wichterlova, Zdenek Sobalik*	**KL-B4** **Enrique Iglesia** (University of California at Berkeley, USA) "Condensation and Esterification Catalysis of Oxygenates on Acid-Base Site Pairs"
16:20 - 16:40	**OA-15** FT-IR Spectroscopy with Probe Molecules on Nanosheet H-ZSM-5 *Bjørn Tore L. Bleken, Silvia Bordiga, Stian Svelle, Unni Olsbye, Karl Petter Lillerud*	
16:40 - 18:10	**Poster Session 2 (Salvia and Dahlia room)** **PB-001 ~ PB-072, RRR-012 ~ RRR-016**	
18:30 - 20:30	**Banquet (Green Wind room)**	
Wednesday / May 15th		
08:30 -	Registration	
	Room A	Room B
09:00 - 10:00	**PL-5** (Chairperson: M. Hara) **Guido Busca** (Universita degli Studi di Genova, Italy) "Surface Acid and Basic Sites on Aluminas and Silica-Aluminas"	
10:00 - 10:20	Coffee Break	
10:20 - 10:40	**OA-16** Single-Particle Spectroscopy of Large SAPO-34 Crystals at Work: Methanol-to-Olefins vs. Ethanol-to-Olefins *Qingyun Qian, Javier Ruiz-Martínez, Mohamed Mokhtar, Abdullah M. Asir, Shaeel A. Al-Thabaiti, Suliman N. Basahel, Bert M. Weckhuysen*	**KL-B5** **Bert F. Sels** (Katholieke Universiteit Leuven, Belgium) "Future Aspects of Chemocatalysis for Cellulosic Biomass Conversion"
10:40 - 11:00	**OA-17** FTIR and XAS as Tools to Identify the Acid Sites Amorphous Silica-Aluminas *Juliette Blanchard, Colin Dupont, Yannick Millot, Jean-Marc Krafft, Toshikazu Takahashi, Hiroyuki Yasuda, Asma Tougerti, Sylvain Cristol*	

11:00 - 11:20	**OA-18** Development of Fully-Automatic Ammonia IRMS-TPD Analyzer *Tatsuya Torikai , Yoshikazu Senga, Kazuyuki Nakai, Naonobu Katada*	**OB-16** Dehydration of Glycerol to Acrolein - A Revised Picture of the Influence of Acidity and Basicity *B. Katryniok , S. Paul, F. Dumeignil*
11:20 - 11:40	**OA-19** FTIR Testing of Surface Acidity and Basicity *Alexey A. Tsyganenko*	**OB-15** Selective Conversion of Lactic Acid into Acrylic Acid over Hydroxyapatite Catalysts" *Yumiko Matsuura, Ayumu Onda , Shuhei Ogo, Kazumichi Yanagisawa*
11:40 - 12:00	**KL-B2** **Zhongmin Liu** (Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China) "Mechanism Research on Methanol to Olefin Reaction"	**OB-18** Conversion of Cellulose into Platform Chemicals by Heterogeneous Catalysis *Atsushi Fukuoka , Hirokazu Kobayashi, Mizuho Yabushita*
12:00 - 12:20		**OB-19** Synthesis of Heterogeneous Basic Nanocatalysts for Biodiesel Production *Ana Lúcia de Lima, Marina Guarnier, Célia Machado Ronconi, Claudio José de Araujo Mota*
12:20 - 12:40	**Closing Remark**	