SATURDAY / JULY 28th

15:30-17:30 Pre-Registration at Aster Plaza

18:00-19:30 Welcome Reception at Aster Plaza

SUNDAY / JULY 29th

8:40-	**Registration**		
	Room A	**Room B**	**Room C**
9:30-9:40	**Opening Ceremony**		
	Chair: T. Sano (Hiroshima Univ.)		
9:40-10:35	**PL01** Prof. Avelino Corma Zeolites with pores of different dimensions within the same structure: catalytic properties		
10:35-10:50	**Coffee Break**		
	Chair: G. Giordano (Univ. of Calabria); M. Ogura (Univ. of Tokyo)	**Chair:** S. Kaskel (Dresden Univ. of Tech.); A. Matsumoto (Toyohashi Univ. of Tech.)	**Chair:** M.W. Anderson (Univ. of Manchester); Y. Yokomori (National Defense Academy)
10:50-11:10	**OA01** Teruoki Tago, Hiroki Konno, Seiji Yamazaki, Toshiya Yasukawa, Yuta Nakasaka, Takao Masuda Selective production of isobutylene from water-containing acetone over BEA zeolite	**OB01** Ryohei Numaguchi, Hideki Tanaka, Satoshi Watanabe, Minoru T Miyahara Equilibrium and kinetic behavior of adsorption-induced structural transition of stack-layer porous coordination polymers	**OC01** Willhammar Tom, Sun Junliang, Wan Wan, Oleynikov Peter, Zhang Daliang, Zou Xiaodong, Moliner Manuel, Gonzalez Jorge, Martínez Cristina, Rey Fernando, Avelino Corma Structure determination of the complex intergrown zeolite ITQ-39 by electron crystallography
11:10-11:30	**OA02** Karen Hemelsoet, Kristof De Wispelaere, Jeroen Van der Mynsbrugge, Michel Waroquier, Veronique Van Speybroeck, Qingyun Qian, Bert M Weckhuysen Identification of carbonaceous compounds in H-SAPO-34: a combined TDDFT and in-situ spectroscopy study	11:10-11:40 **KB01** Prof. Freek Kapteijn NH_2-MIL-53 a versatile MOF - from gas separations to optical applications 11:40-12:10 **KB02** Prof. Alexander Neimark Breathing MOFs - thermodynamics and dynamics of adsorption induced deformation in MIL-53	**OC02** Atsushi Urakawa, Rocco Caliandro, Wouter van Beek, Dmitry Chernyshov, Marco Milanesio, Luca Palin, Hermann Emerich, Davide Viterbo Modulation enhanced diffraction: a new method for selective detection of atoms and molecules in solid materials
11:30-11:50	**OA03** Hiroyuki Imai, Toshiyuki Yokoi, Takashi Tatsumi, Bilge Yilmaz, Mathias Feyen, Ulich Müller, Dirk De Vos, Feng-Shou Xiao, Weiping Zhang, Xinhe Bao, Hermann Gies Improvement of zeolite beta synthesized by seed-assisted method in activity of acid-catalyzed reactions		**OC03** Martin Martis, Andy J. Smith, Chiu Tang, Julia Parker, Timothy Hide, Michael J. Watson, Xavier Baucherel, Shinji Kohara, Toru Wakihara, Gopinathan Sankar Tracking the structural changes in pure and heteroatom substituted aluminophosphate, AlPO-18, using synchrotron based X-ray diffraction techniques during calcination
11:50-12:10	**OA04** Javier Ruiz-Martínez, Inge Buurmans, Andrew Beale, Mathew O'Brien, Bert Weckhuysen Imaging micro-spectroscopic methodologies for studying individual cracking particles catalyst throughout different life stages		**OC04** Michael W. Anderson, Rhea Brent, Pablo Cubillas, Sam M. Stevens, Ayako Umemura, James T. Gebbie, Amy Holmes, Martin P. Attfield, Moh Pak Yan, Itzel Meza, Maryiam Shöâeè, Mark Holden, Rachel Smith Atomic force microscopy and Monte Carlo calculations: a route to understanding crystal growth of nanoporous materials at a molecular scale
12:10-12:30	**OA05** Yasuyoshi Iwase, Akimitsu Miyaji, Ken Motokura, To-ru Koyama, Toshihide Baba Shape-selective catalysis determined by the volume of a zeolite cavity for propylene production by the conversion of lower olefins using a H^+-exchanged zeolite	**OB02** Ryotaro Matsuda, Hiroshi Sato, Susumu Kitagawa Unusual sorption behavior of porous coordination polymers having transformable building units	**OC05** Min Bum Park, Yoorim Lee, Christopher P. Nicholas, Gregory J. Lewis, Suk Bong Hong Multinuclear NMR investigations into the crystallization mechanism of zeolite UZM-9
12:30-13:50	**Lunch**		
	Chair: M. Inomata (JGC Co.)		
13:50-14:45	**PL02** Prof. Takashi Tatsumi Design of zeolite catalysts for selective production of light olefins - catalysts for naphtha cracking and MTO reaction		
	Chair: P. Wu (East China Normal Univ.); N. Katada (Tottori Univ.)	**Chair:** P.D.C. Dietzel (Univ. of Bergen); R. Matsuda (Kyoto Univ.)	**Chair:** K. Nishi (National Defense Academy); T. Kodaira (AIST)
14:50-15:10	14:50-15:20 **KA01** Dr. Carlo Perego Conversion of bio-derived feedstocks through zeolite catalysis	**OB03** Hirofumi Kanoh, Takuya Motoki, Yan Cheng, Atsushi Kondo, Hiroshi Kajiro, Tomonori Ohba Water sorption behaviors of Cu-MOFs having different dimensional structures	**OC06** Ivy H. Lim, Wolfgang Schrader, Ferdi Schüth Monitoring $AlPO_4$-18 synthesis by mass spectrometry
15:10-15:30	15:20-15:50 **KA02** Dr. Hideaki Tsuneki Development of diethanolamine selective production process using shape-selective MFI zeolite catalyst	**OB04** Aliakbar Heydari-Gorji, Abdelhamid Sayari Effect of support and polyethylenimine(PEI) loading in PEI-supported CO_2 adsorbents	**OC07** Feifei Gao, Belen Albela, Yifeng Yun, Laurent Bonneviot Morphology control on silicalite-1 nanocrystals using single- or poly-crystalline seeds
15:30-15:50		**OB05** Richard Martin, Maciej Haranczyk Novel porous material characterization and screening tools: application to CO_2 capture	**OC08** Rajib Bandyopadhyay Direct synthesis of 3A molecular sieves from various hydrothermal routes
15:50-16:10	**Coffee Break**		

	Chair: C. Perego (Eni S.p.A.); T. Hanaoka (AIST)	**Chair:** A. Endo (AIST); S. Sadakane (Hiroshima Univ.)	**Chair:** R. Bandyopadhyay (Pandit Deendayal Petroleum Univ.); K. Yamamoto (Univ. of Kitakyusyu)
16:10-16:30	**OA06** Anastasia Macario, Alessandro Blasi, Egidio Viola, Vito Valerio, Giacobbe Braccio, Girolamo Giordano Comparison between basic catalysts and zeolite like materials in biodiesel production	**OB06** Petko Petkov, Georgi Vayssilov, Thomas Heine Theoretical study of the Interaction of CO with active sites in CuBTC MOF	16:10-16:40 **KC01 Prof. Tatsuya Okubo** Simple synthesis of zeolites 16:40-17:10 **KC02 Prof. Ben Slater** Understanding properties from an atoms' eye view of ZIF and zeolite thin films
16:30-16:50	**OA07** Kotaro Sugino, Masaru Ogura Methylation of nitrogen atom doped in silica framework of SBA-15 and its catalytic performance for base reactions	**OB07** Petr Nachtigall, Lukáš Grajciar, Miroslav Rubeš, Ota Bludský, Andrew D. Wiersum, Philip L. Llewellyn Understanding adsorption in CuBTC MOF: ab initio calculations vs. microcalorimetry experiments	
16:50-17:10	**OA08** Ricardo Bermejo-Deval, Manuel Moliner, Yuriy Román-Leshkov, Eranda Nikolla, Son-Jong Hwang, Mark E. Davis New heterogeneous catalysts for converting sugars in aqueous media	**OB08** Teppei Yamada, Masaaki Sadakiyo, Hiroshi Kitagawa Proticity recognition by hydrogen bond donor and acceptor sites embedded in a two-dimensional metal–organic framework $(H_2dab)[Zn_2(ox)_3]\bullet nH_2O$	
17:10-17:30	**OA09** Haruro Ishitani, Takumi Sugiuchi, Masakazu Iwamoto Carbon-carbon bond forming reactions using very weak acidic property of mesoporous silica MCM-41	**OB09** Pascal D. C. Dietzel, Morten Frøseth, Rune E. Johnsen, Helmer Fjellvåg, Richard Blom An isoreticular series of coordination polymers with enlarged honeycomb structure and high concentration of open metal sites	**OC09** Akira Miyamoto, Mari Onodera, Kotaro Okushi, Ryo Nagumo, Ryuji Miura, Ai Suzuki, Hideyuki Tsuboi, Nozomu Hatakeyama, Hiromitsu Takaba, Sumio Kozawa, Hiroshi Fukui, Mike C. Williams, Masahiko Abe, Naokiyo Koshikawa Development of experiments integrated multi-scale, multi-physics computational methods based on ultra-accelerated quantum chemical molecular dynamics for nanoskeleton TiO_2 synthesis for microgravity experiments
17:30-19:10	**Poster Session 1**		

MONDAY / JULY 30th

8:40-	**Registration**		
	Room A	**Room B**	**Room C**
	Chair: M. Matsukata (Waseda Univ.)		
9:00-9:55	**PL03** Prof. Ryong Ryoo New opportunities in ZMPC field with hierarchical zeolite structure-directing surfactants		
9:55-10:10	**Coffee Break**		
	Chair: H.J.Choi (Inha Univ.); M. Ogawa (Waseda Univ.)	**Chair:** A. Neimark (Rutgers Univ.); K. Maeda (Tokyo Univ. of Agr. & Tech.)	**Chair:** C.-M. Yang (National Tsing Hua Univ.); S. Satokawa (Seikei Univ.)
10:10-10:30	**OA10** Cristina Zanzottera, Aurélie Vicente, Edvige Celasco, Christian Fernandez, Edoardo Garrone, Barbara Bonelli Tailoring the surface properties of non-carbonaceous nanotubes: imogolite-like materials	**OB10** Wei-Yin Sun, Shui-Sheng Chen, Zhi Su Porous metal-organic frameworks: structure diversity and sorption property	**OC10** Yoshihiro Kubota, Raita Komatsu, Satoshi Inagaki, Keiji Itabashi, Tatsuya Okubo Stabilization and dealumination of beta zeolite that is synthesized without organic structure-directing agent
10:30-10:50	**OA11** Isao Ogino, Einar A. Eilertsen, Son-Jong Hwang, Thomas Rea, Stacey I. Zones, Alexander Katz General heteroatom-tolerant method for delamination of layered zeolite precursors	**OB11** Sayaka Uchida, Ryo Eguchi, Noritaka Mizuno Structural flexibility in organic-inorganic ionic crystals: effect on sorption properties	**OC11** Soumya Senapati, Hubert Koller Replacement of boron by aluminum of B-beta zeolite in presence of structure directing agent
10:50-11:10	**OA12** Xueyi Zhang, Michael Tsapatsis Direct synthesis of self-pillared zeolite nanosheets	10:50-11:20 **KB03** Prof. Stefan Kaskel Metal-organic frameworks and porous polymers 11:20-11:50 **KB04** Prof. George Shimizu Metal organic frameworks for clean energy applications	**OC12** Inocente Rodríguez Iznaga, Vitalii Petranovskii, Felipe Castillón Barraza, Miguel-Ángel Hernández Espinosa, Beatriz Concepción Rosabal Binary copper-silver cation mixture in natural clinoptilolite: thermal reduction of Cu^{2+} and Ag^{+} Ions and stability of the resultant metallic species
11:10-11:30	**OA13** Kiyofumi Katagiri, Yoshinori Shishijima, Kunihito Koumoto, Kei Inumaru pH-Responsive hollow capsules prepared with exfoliated LDH nanosheets		**OC13** Gede Wibawa, Rama Oktavian, M. Furoiddun Nais, Asalil Mustain, Miftakhul Falah New method for reduction process of Ca^{2+} content from low grade natural zeolites to improve the adsorption capability (Bandung natural zeolites case)
11:30-11:50	**OA14** Pavla Chlubná, Wieslav J. Roth, Oleksiy V. Shvets, Russell E. Morris, Arnošt Zukal, Jiří Čejka New IPC-1 zeolite family prepared through 3D to 2D zeolite conversion and post-synthesis modifications		**OC14** Monique A. van der Veen, Els Verraedt, Johan Martens, Thierry Verbiest, Dirk E. De Vos Structural diagnostics of nanoporous materials with two-photon excited fluorescence and second-harmonic generation imaging
11:50-12:10	**OA15** Shaohua Liu, Haiping Jia, Lu Han, Pengfei Gao, Dongdong Xu, Jun Yang, Shunai Che Nanosheet-constructed porous TiO_2-B for advanced lithium ion batteries	**OB12** Bartosz Marszalek, Barbara Gil, Wacław Makowski, Dorota Majda, Nele Reimer, Norbert Stock On stability of MOFs: detailed characteristics of highly stable Al-MIL-53-COOH	**OC15** Sherif A. El-Safty Mesoporous monolith membranes for optical decontamination of toxic and radioactive elements from water
12:10-13:30	**Lunch**		
	Chair: Y. Kubota (Yokohama National Univ.); T. Nakato (Kyushu Tech.)	**Chair:** G. Shimizu (Univ. of Calgary); H. Yoshitake (Yokohama National Univ.)	**Chair:** T. Tago (Hokkaido Univ.); S.A. El-Safty (NIMS)
13:30-13:50	13:30-14:00 **KA03** Prof. Wieslaw J. Roth Practical and fundamental expansion of zeolites into new dimensions based on 2D layered	**OB13** Joby Sebastian, D. Srinivas Novel, micro-mesoporous double-metal cyanide catalyst for the synthesis of biodegradable hyperbranched polymers	**OC16** Yusuke Ide, Noriko Kagawa, Shuhei Ogo, Masahiro Sadakane, Tsuneji Sano Sunlight-induced effective photocatalytic decomposition of aqueous formic acid over CeO_2-supported Au nanoparticle assisted by a CO_2 sorbent, aminosilane-functionalized SBA-15

13:50-14:10	structures 14:00-14:30 **KA04** Prof. Hyoung Jin Choi Smart layered material composites and their electrorheology	**OB14** Natsumi Kamiya, Takanori Oshiro, Sachio Tan, Koji Nishi, Yoshinobu Yokomori Single crystal structure analysis of phenol-silicalite-1	**OC17** Tomiko M. Suzuki, Takeshi Morikawa, Tadashi Nakamura, Shu Saeki, Yoriko Matsuoka, Hiromitsu Tanaka, Kazuhisa Yano, Tsutomu Kajino Mesoporous N-doped Ta_2O_5 spheres: synthesis and visible-light photocatalytic activity for hydrogen evolution and selective CO_2 reduction
14:10-14:30		**OB15** Martin Hartmann, Marcus Fischer Characterization and catalytic properties of amino-functionalized metal-organic frameworks with MIL-101 structure	**OC18** Lu Han, Chenyu Jin, Ben Liu, Shunai Che DNA-silica mineralization: the formation of exceptional two dimensional-square *p4mm* structure by a structural transformation
14:30-14:50	**OA16** Erni Johan, Satoru Fukugaichi, Naoto Matsue, Teruo Henmi, Toru Yamamoto, Zaenal Abidin Silver-exchanged zeolites as rare earth-free fluorescent material	**OB16** Frederik Vermoortele, Matthias Vandichel, Ben Van de Voorde, Rob Ameloot, Michel Waroquier, Veronique Van Speybroeck, Dirk De Vos Electronic effects of ligand substitution on Lewis acid catalysis with metal-organic frameworks	**OC19** Akira Endo, Marie Shimomura, Toshio Yamaura, Kyohei Yamashita, Hirofumi Daiguji Water adsorption-desorption on mesoporous silica around freezing point
14:50-21:30	**Excursion** **Cruising, Miyajima Stroll and Dinner (Venue Grand Prince Hotel Hiroshima)** **Transfers provided from the Conference Venue**		

TUESDAY / JULY 31st

8:40-	**Registration**		
	Room A	**Room B**	**Room C**
	Chair: T. Masuda (Hokkaido Univ.)		
9:00-9:55	**PL04** **Prof. Jiří Čejka** Zeolite UTL and way beyond		
	Chair: J.A. Van Bokhoven (ETH Zurich); J.N. Kondo (Tokyo Tech.)	**Chair:** R.E. Morris (Univ. of St Andrews); S. Tanaka (Kansai Univ.)	**Chair:** P. Innocenzi (Università de Sassari); T. Kimura (AIST)
10:00-10:20	**OA17** Jovana Zečević, Heiner Friedrich, Petra E. de Jongh, Krijn P. de Jong 3D quantitative study of Pt/zeolite Y catalyst using electron tomography and image analysis	**OB17** Tristan Lescouet, Jenny Vittilo, David Farrusseng, Silvia Bordiga Soft method for the synthesis of chiral organometallic@MOF via isocyanates	**OC20** Yasutomo Goto, Masamichi Ikai, Maegawa Yoshifumi, Norihiro Mizoshita, Takao Tani, Shinji Inagaki Novel p-n heterojunction photovoltaic device based on p-type mesoporous organosilica thin film
10:20-10:40	**OA18** Hyung-Ki Min, Seung Hyeok Cha, Suk Bong Hong Mechanisms of *m*-xylene isomerization and disproportionation over medium- and large-pore zeolites with different framework topologies: a revisit	**OB18** Shuhei Furukawa, Stéphane Diring, Ayako Umemura, Yoko Sakata, Susumu Kitagawa Coordination modulation: a new method to control the crystal size and morphology of porous coordination polymers	**OC21** Yan-Wun Chen, Shing-Fong Lin, and Hong-Ping Lin A facile template-free method to prepare mesoporous copper silicate**s**
10:40-11:00	**Coffee Break**		
	Chair: G. Sastre (Universidad Politecnica de Valencia); M. Okamoto (Tokyo Tech.)	**Chair:** S.B. Hong (POSTECH); H. Kanoh (Chiba Univ.)	**Chair:** S. Che (Shanghai Jiao Tong Univ.); A. Shimojima (Univ. of Tokyo)
11:00-11:20	**OA19** Kateřina Raabová, Roman Bulánek, Eva Baďurová, Ivan Jirka Characterization of Fe-silicalite activated by different methods	11:00-11:30 **KB05 Prof. Russell E. Morris** Synthesis and application of zeolites and MOFs: from ionothermal to protecting group approaches 11:30-12:00 **KB06 Prof. An-Hui Lu** Carbon materials with defined morphology and pore structure	**OC22** Tatsuo Kimura, Norihiro Suzuki, Yusuke Yamauchi Temperature-dependent aerosol-assisted production of spherical mesoporous materials in the aluminophosphate and aluminum organophosphonate systems
11:20-11:40	**OA20** Ewa Janiszewska, Anastasia Macario, Joanna Wilk, Alfredo Aloise, Stanisław Kowalak, Janos B. Nagy, Girolamo Giordano The role of the defect groups on the silicalite-1 zeolite catalytic behavior		**OC23** Katsuhiko Ariga The best of both worlds: mesoporous materials and layer-by-layer (LbL) assembly
11:40-12:00	**OA21** Alexey. A. Tsyganenko FTIR studies of the adsorption properties of zeolites		**OC24** Chia-Min Yang, Nien-Chu Lai, Pei-Hsin Ku, Wei-Chia Huang, Li-Ling Chang Formation of novel mesoporous silica nanostructures in dilute solutions of mixed cationic and nonionic surfactants
12:00-12:20	**OA22** Eva Koudelkova, Roman Bulanek Determination of adsorption species in zeolite MOR using IR spectroscopy	**OB19** Shunsuke Tanaka, Anna Doi, Takatomo Matsui, Kenta Imanishi, Yoshikazu Miyake Electrochemical properties of ordered mesoporous carbons prepared by a soft-templating method	**OC25** Wataru Kubo, Kohei Okamoto, Atsushi Komoto, Masatoshi Watanabe, Hirokatsu Miyata Remarkable improvement of the flatness and regularity of a mesostructured silica film with an aligned 2D hexagonal structure
12:20-12:40	**OA23** Andrei A. Rybakov, Alexander V. Larin, Georgy M. Zhidomirov Different nature of Brønsted acidity in alkaline earth (AE) and rare earth (RE) form zeolites	**OB20** Takayuki Ban, Makoto Takamura, Juichi Morimoto, Haruka Saito, Yutaka Ohya Morphology control of zeolite L crystals	**OC26** Minoru Waki, Norihiro Mizoshita, Takao Tani, Shinji Inagaki Periodic mesoporous organosilica containing metal ligands in the framework and their metal complex formation
12:40-14:00	**Lunch**		
14:00-15:40	**Poster Session 2**		
	Chair: T. Okubo (Univ. of Tokyo)		

15:40-16:35	**PL05** **Prof. Valentin Valtchev** Zeolite properties: engineering beyond the natural limits		
	Chair: W.J. Roth (J. Heyrovsky Institute of Physical Chemistry); N. Nishiyama (Osaka Univ.)	**Chair:** B. Slater (Univ. College London); H. Kita (Yamaguchi Univ.)	**Chair:** A.-H. Lu (Dalian Univ. of Tech.); K. Inumaru (Hiroshima Univ.)
16:40-17:00	**OA24** German Sastre Theoretical insights into the Brønsted acidity of zeolites	**OB21** Yoshimichi Kiyozumi, Chie Abe, Yasuhisa Hasegawa, Takako Nagase, Takaaki Hanaoka, Masaya Itakura, Yusuke Ide, Masahiro Sadakane, Tsuneji Sano, Synthesis of high-silica CHA membrane by interzeolite conversion of FAU and its pervaporation performance	**OC27** Kazuyuki Maeda, Ryohei Takamatsu, Miki Mochizuki, Kanako Kawawa, Atsushi Kondo Formation of zeolite-like open-framework by spontaneous pillaring of zinc 1,3,5-benzenetriphosphonate layers on cation exchange with alkali metal halides
17:00-17:20	17:00-17:30 **KA05 Prof. Peng Wu** Layered zeolites: a platform for designing efficient catalysts 17:30-18:00 **KA06 Prof. Jeroen A. van Bokhoven** Why does the performance of zeolites improve after mesopore formation?	**OB22** Canan Gücüyener, Johan van den Bergh, Evgeny A. Pidko, Emiel J. M. Hensen, Jorge Gascon, Freek Kapteijn Light olefin/paraffin adsorptive separation turned on its head: understanding the anomalous paraffin selectivity of ZIF-7	**OC28** Matthias Thommes, Sharon Mitchell, Javier Pérez-Ramírez Surface and pore structure assessment of hierarchical zeolites by advanced water and argon sorption studies
17:20-17:40		**OB23** Zhengbao Wang, Qinqin Ge, Yong Peng, Yushan Yan Zeolite pervaporation membranes on inexpensive large-pore supports	**OC29** Atsushi Shimojima, Kazuteru Jinno, Watcharop Chaikittisilp, Ayae Sugawara-Narutaki, Tatsuya Okubo Construction of microporous hybrid networks from functionalized cubic siloxanes by imine formation
17:40-18:00		**OB24** G. Golemme, E. Maccallini, G. Kalantzopoulos, A. Policicchio, M. G. Buonomenna, F. Ciuchi, I. Krkljus, M. Hirscher, R. G. Agostino Resistance to transport of H_2 through the external surface of as-made and modified silicalite-1	**OC30** Tian-Yi Ma, Hui Li, Tie-Zhen Ren, Zhong-Yong Yuan Ordered mesoporous metal-organic frameworks with well-defined crystalline walls
18:00-18:20	**OA25** Kazu Okumura, Takashi Sanada, Nami Morishita, Naonobu Katada, Miki Niwa Evolution of strong acidity in ammonium-treated USY zeolites and correlation between acid strength and the activation energy of alkane cracking in Y-type zeolites	**OB25** Trong Phan, Qingling Liu, Raul F. Lobo CO_2 selective small-pore zeolite adsorbents with high working capacity at ambient temperature and pressure	**OC31** Kunimitsu Morishige, Yoshiyuki Kondou Synthesis and characterization of microporous silica molecular sieve with ordered mesoporous structure
19:00-21:00	**Banquet** **Venue ANA Crowne Plaza Hiroshima**		

WEDNESDAY / AUGUST 1st

	Room A	Room B	Room C
	Chair: S. Inagaki (Toyota Central R & D Labs. Inc.)		
9:00-9:55	**PL06** **Prof.** Kazuyuki Kuroda Preparation and applications of mesoporous materials		
	Chair: H. Yamashita (Osaka Univ.); K. Okumura (Tottori Univ.)	**Chair:** Y. Yan (Univ. of Delaware); Y. Kiyozumi (AIST)	**Chiar:** R.F. Howe (Univ. of Aberdeen); M. Nomura (Shibaura Tech.)
10:00-10:20	**OA26** Petr Sazama, Blanka Wichterlova, Zdenek Sobalik, Olga Gonsiorova, Oleg Bortnovsky, Karel Svoboda, Miroslav Fronk, Jaromir Sramek, Petr Svoboda, From fundamental understanding of redox structures in high silica zeolites to novel synthesis and large scale production of deNO_x catalysts	**OB26** Lydie Tzanis, Mickael Trzpit, Michel Soulard, Joël Patarin High pressure water intrusion investigation on pure silica 1D channel MTW, TON and cage-like CHA, STT-type zeolites	10:00-10:30 **KC03** Prof. Plinio Innocenzi Disorder to order evolution in mesoporous films: from self-assembly to complex materials 10:30-11:00 **KC04** Dr. Takahiko Takewaki Novel water vapor adsorbent AQSOA for environmental benign adsorption heat pump
10:20-10:40	**OA27** S.Devika, M.Palanichamy, V.Murugesan CeAlPO-5 molecular sieves for selective oxidation of organic substrates	**OB27** Meihua Zhu, Izumi Kumakiri, Kazuhiro Tanaka, Hidetoshi Kita Dehydration of acetic acid and esterification product by ZSM-5 membrane	
10:40-11:00	**OA28** Xu Chen, Dai Mochizuki, Yuji Wada Emission and photocatalytic properties of Iridium(III) complexes encapsulated in zeolites	**OB28** Hiroe Torigoe, Akira Oda, Atsushi Itadani, Takahiro Ohkubo, Takashi Yumura, Hisayoshi Kobayashi, Yasushige Kuroda Analysis of the structural and electronic states of d^{10} metal ions in MFI zeolite in connection with the interactions with Xe at 300 K	
11:00-11:20	**Coffee Break**		
	Chair: P. Sazama (J. Heyrovsky Institute of Physical Chemistry); H. Ishitani (Tokyo Tech.)	**Chair:** Z.B. Wang (Zhejiang Univ.); T. Tsuru (Hiroshima Univ.)	**Chair:** Y. Oumi (Gifu Univ.); T. Wakihara (Yokohama National Univ.)
11:20-11:40	**OA29** Arno Tissler, Frank Klose, Klaus Wanninger, Olga Manoylova,Yoshinori Shigemura Precoius metal exchanged zeolites in environmental off-gas catalysts	11:20-11:50 **KB07** Prof. Masahiko Matsukata Dehydration of petrochemical products with zeolite membranes: a key technology toward large-scale energy saving 11:50-12:20 **KB08** Prof. Yushan Yan Zeolite thin films for energy and water applications	**OC32** Greig Shearer, Fiona Dickinson, Abbie C Mclaughlin, Russell F Howe Magnetic interactions in the vanadosilicate zeolite AM-6
11:40-12:00	**OA30** Yasutaka Kuwahara, Kazuto Nishizawa, Takahito Nakajima, Takashi Kamegawa, Kohsuke Mori, Hiromi Yamashita Design of highly active titanosilicate molecular sieves by utilizing cation-π interactions		**OC33** Katsutoshi Yamamoto, Takuji Ikeda, Chiaki Ideta Hetero-coordinated atom-containing zeotypes synthesized via mechanochemical route
12:00-12:20	**OA31** Georgi N. Vayssilov, Petko St. Petkov, Hristiyan A. Aleksandrov Ab initio molecular dynamic simulations of small noble metal clusters in zeolites		**OC34** A. Ken Inge, Max Peskov, Junliang Sun, Xiaodong Zou SU-62: a novel germanate framework with 14-ring channels built of $Ge_{10}(O,OH)_{27}$ clusters
12:20-12:40	**OA32** Chuanxia Jiang, Kenji Hara, Atsushi Fukuoka	**OB29** Yasuhisa Hasegawa, Chie Abe, Takako Nagase, Takaaki Hanaoka	**OC35** X. Liu, U.Ravon, A. Tuel

	Oxidation of ethylene over Pt nanoparticles supported on mesoporous silica	Influence of preparation parameters on the morphology, composition, and dehydration performance of CHA-type zeolite membranes	Evidence for F/OH anion exchange in the framework of as-synthesized all-silica and germanosilicate zeolites
12:50-13:00	**Closing Remark**		