







1400 - 1900	REGISTRATION DESK OPEN	<i>Grand Ballroom Foyer</i>
1400 - 1700	EXHIBITOR MOVE IN	<i>Exhibition, Grand Ballroom</i>
1800 - 1930	<p>WELCOME RECEPTION <i>Sponsored by</i></p>  <p>CHINA CATALYST GROUP</p>	<i>Exhibition, Grand Ballroom</i>


0730 – 1730	REGISTRATION DESK OPEN				Grand Ballroom Foyer
0730 – 0830	ARRIVAL TEA AND COFFEE				Exhibition, Grand Ballroom
0730 – 1830	EXHIBITION OPEN				Exhibition, Grand Ballroom
0830 – 1000	OFFICIAL OPENING & PLENARY SESSION 1 <i>Chair: Michael Stockenhuber and Thomas Maschmeyer</i>				Crown 1
	<p>Welcome to Country</p> <p>Welcome to the 19th International Zeolite Conference, Prof Moses Tade, IZC'19 Chair</p> <p>Official Opening: Prof Deborah Terry AO, Vice Chancellor, Curtin University</p> <p>IZA President's Address: Valentin Valtchev</p>				
0900 – 0950	PLENARY PRESENTATION: Zeolite-type crystal structuring in complex metal oxide catalysts of group V and VI elements by unit-assembling" which can be classified into (1) Materials synthesis, (2) New porous crystal structures, (3) Oxidation catalysts Wataru Ueda , Kanagawa University, Japan				
0950 - 1000	Movement to Concurrent Sessions				
1000 - 1100	<p>2.1.1 Adsorption and catalysis <i>Sponsored by</i>  MicrotracBEL Corp.</p>	<p>2.1.2 Crystalline Porous and Hierarchically structured materials (zeolites, composites, bio-inspired, layered)</p>	<p>2.1.3 Synthesis methods, New Synthetic and Natural Zeolites</p>	<p>2.1.4 Theory (modelling and simulation of frameworks, their surfaces, pores and aggregate properties)</p>	
Chair	Shaobin Wang	Javier Perez-Ramirez	Hong-Xin Li	Robert Bell	
Room	Crown 3B	Crown 1	Crown 3A	Crown 3C	
1000	<p>Selective oxidation of methane to methanol over binuclear cationic structures in zeolites Jiri Dedecek J. Heyrovský Institute of Physical Chemistry of the CAS Czech Republic Paper #59</p>	<p>Green and Versatile Synthesis Approach for Hierarchical Zeolites by Using Natural Aluminosilicate Minerals as Raw Materials: From Laboratory Studies to Industrial Application Xiaojun Bao Fuzhou University China Paper #41</p>	<p>Study on Acidity and Crystal Size of Twinned SAPO-34 templated by 1-Methylpyrrolidine Shihang Liang Research Institute of Petroleum Processing, SINOPEC China Paper #452</p>	<p>Beyond Classical Nucleation Theory: Hydrated Silicate Ionic Liquids Eric Breynaert KU Leuven - COK-KAT Belgium Paper #55</p>	
1020	<p>Hydrophobicity as a key in methane catalytic combustion on modular Pd / zeolite composites Pit Losch Max-Planck-Institut Für Kohlenforschung Germany Paper# 260</p>	<p>Allosteric Regulation of Protease Activity via Anchoring on Zeolite Surface Lisha Yu Zhejiang University China Paper# 222</p>	<p>Preparation of All-silica RWR-type Zeolite Containing Pt Nanoparticles through Interlayer Condensation of Layered Octosilicate Masakazu Koike Waseda University Japan Paper# 356</p>	<p>Impact of the extra-framework aluminum species on the properties of Brønsted acid sites in Y zeolites by using thiophene probe molecule: A periodic DFT study Jian Zheng Liaoning Shihua University China Paper# 197</p>	
1040	<p>High-silica potassium-exchanged LTA zeolite as a molecular trapdoor adsorbent for post-combustion CO₂ capture Jin Shang City University of Hong Kong Hong Kong Paper# 297</p>	<p>An Inspiring Combination: Mesoporous Silica Nanoparticles Embedded in Nanoporous Platinum Peter Behrens Leibniz University Hannover Germany Paper# 247</p>	<p>Transient Modes of Zeolite Surface Growth and Methods to Switch between Classical and Nonclassical Pathways of Crystallization Jeffrey Rimer University of Houston United States Paper# 546</p>	<p>Tuning of Al organization and cation siting of SSZ-13 Stepan Sklenak J. Heyrovsky Institute of Physical Chemistry of The Czech Academy of Sciences Czech Republic Paper# 469</p>	
1100 - 1130	MORNING TEA				Exhibition, Grand Ballroom


1130 - 1310	2.2.1 Adsorption and catalysis <i>Sponsored by</i>  MicrotracBEL Corp.	2.2.2 Crystalline Porous and Hierarchically structured materials (zeolites, composites, bio-inspired, layered)	2.2.3 Synthesis methods, New Synthetic and Natural Zeolites	2.2.4 Theory (modelling and simulation of frameworks, their surfaces, pores and aggregate properties)
Chair	Hongqi Sun		Antonio Araujo	Moses Tade
Room	Crown 3B	Crown 1	Crown 3A	Crown 3C
1130	<p>KEYNOTE: Understanding and controlling sorption and catalytic chemistry in the crowded environment of zeolite pores</p> <p>Johannes Lercher TU Munchen Germany Paper# 346</p>	<p>Overcoming Irreversible Restacking of Mg-Al Double Hydroxide Nanosheets through Thermal Activation in H₂ or N₂: Synthesis of Mixed Metal Oxides with High Surface Area and Basic Site Density</p> <p>Isao Ogino Hokkaido University Japan Paper# 220</p>	<p>Investigating the role of framework topology on acidity in silicoaluminophosphates</p> <p>Matthew Potter University of Southampton United Kingdom Paper# 236</p>	<p>KEYNOTE: Fast Room Temperature Lability of Aluminosilicate Zeolites</p> <p>Petr Nachtigall Charles University, Faculty Of Science Czech Republic Paper #372</p>
1150		<p>Zeolite-Templated Synthesis of 3D Graphene-like Microporous Carbons Using Metal Cation Effect</p> <p>Taekyoung Lee KAIST/IBS South Korea Paper# 384</p>	<p>Structural Stabilization and Diversity of Germanosilicates</p> <p>Hao Xu East China Normal University China Paper#514</p>	
1210	<p>Research on the reaction mechanism of methanol-to-olefins (MTO) over zeolites by solid-state NMR spectroscopy</p> <p>Wang Chao WIPM China Paper# 346</p>	<p>Diastereoselective Protonation of Chiral Benzyl-Ephedrine through Confinement in Nanoporous Materials</p> <p>Luis Gomez-hortiguela Csic Spain Paper# 151</p>	<p>Structure-activity relationship of hierarchical zeolites</p> <p>Michael Tsapatsis University of Massachusetts Amherst United States Paper# 479</p>	<p>Molecular Modeling of Penetration of Monovalent Cations into Zeolite N Membrane</p> <p>Monireh Khosravi Institute for Future Environments, Queensland University Of Technology Australia Paper# 288</p>
1230	<p>Highly Selective Production of Propylene from Methanol over SAPO-14 Molecular Sieve Catalyst</p> <p>Miao Yang Dalian Institute of Chemical Physics China Paper# 354</p>	<p>Hierarchical cartridges formed combining bacterial cellulose nanofibrils and zeolite Y nanocrystals</p> <p>Raquel de Andrade Bessa The University of Manchester United Kingdom Paper# 416</p>	<p>Continuous flow Synthesis of A series of UiO-66 Metal-Organic Frameworks</p> <p>Yao Wang Dalian University of Technology China Paper# 233</p>	<p>Combining Catalysis and Computational Fluid Dynamics for Improved Reactor Design</p> <p>Matthew Potter University of Southampton United Kingdom Paper: 237</p>
1250	<p>Bifunctional Catalysts Based on Micro-/Mesoporous Zeolite Y with Enhanced Activity for Aqueous-Phase Processing of Biomass-Derived Levulinic Acid</p> <p>Hue Tong Vu Universitaet Leipzig Germany Paper# 482</p>	<p>Methane conversion to value-added products over fer catalyst using n₂o as co-reactant at moderate temperatures</p> <p>Guangyu Zhao The University of Newcastle Australia Paper#527</p>	<p>Monoliths with MFI zeolite layers prepared with the assistance of 3D printing: Characterization and performance in the gas phase isomerization of α-pinene</p> <p>Piotr Michorczyk Institute Of Organic Chemistry And Technology, Cracow University Of Technology Poland Paper# 561</p>	
1310 - 1400	LUNCH			Exhibition, Grand Ballroom


1400 – 1600	2.3.1 Adsorption and catalysis <i>Sponsored by</i>  MicrotracBEL Corp.	2.3.2 Crystalline Porous and Hierarchically structured materials (zeolites, composites, bio-inspired, layered)	2.3.3 Synthesis methods, New Synthetic and Natural Zeolites	2.3.4 Theory (modelling and simulation of frameworks, their surfaces, pores and aggregate properties)
	Michael Stockenhuber	Robert Millini	Jun Huang	Masahiko Matsukata
Room	Crown 3B	Crown 1	Crown 3A	Crown 3C
1400	Ultrasmall metal nanoparticles confined within zeolites: Highly efficient nanocatalysts for hydrogen generation Ning Wang Jilin University China Paper# 467	Nanosponge TS-1: a fully crystalline hierarchical epoxidation catalyst Jan Prech Charles University Czech Republic Paper# 330	Synthesis and framework stabilization of new zeolite YNU-5 toward catalytic application Yoshihiro Kubota Yokohama National University Japan Paper# 278	KEYNOTE: The autonomous material explorer: Intelligent screening of porous materials by combining molecular simulation and machine learning Tina Düren University of Bath United Kingdom
1420	Hybrid anisotropic nanocellulose aerogels with high-loadings of zeolite for selective CO2 capture Walter Julian Rosas Arbelaez Chalmers University of Technology Sweden Paper# 386	Hierarchical Hollow and nanosheet ZSM-5 with Encapsulated Metal as Catalysts Anfeng Zhang Dalian University of Technology China Paper# 437	Synthesis and structural determination of template-free nanosized CHA-type zeolite Maxime Debost Laboratory of Catalysis And Spectrochemistry (Ics) France Paper# 478	
1440	Probing zeolites with pyridine: quantitative AGIR measurements of the molar absorption coefficients Vladimir Zholobenko Keele University United Kingdom Paper# 462	One-pot Solvent-free synthesis of c-axis oriented ZSM-5 hollow fiber catalyst Xinqing Chen Shanghai Advanced Research Institute China Paper# 5	INVITED: STA-28: A Novel Zeotype Prepared Using Framework Bound Organic Structure Directing Agents Alessandro Turrina Johnson Matthey United Kingdom	Role of Ag cation in Ag-X membrane for propylene/propane separation Masahiko Matsukata Waseda University Japan Paper# 305
1500	Ethanol dehydration performed by [Al]- and [V,Al]-magadiite catalysts Heloise Oliveira Pastore University of Campinas Brazil Paper# 101	A Hydrothermally Stable Mesoporous Zeolite as FCC Catalyst—from Laboratory to Refinery Xionghou Gao Petrochemical Research Institute, Petrochina Company Limited China Paper# 73	Catalytic conversion of HMF to biodiesel: the role played by Al, Fe and B incorporate in MFI-framework Girolamo Giordano Dept Env & Chem Eng - Univ Of Calabria Italy Paper# 456	Formation and local structure of framework al lewis sites in *BEA zeolites Stepan Sklenak J. Heyrovsky Institute of Physical Chemistry of The Czech Academy of Sciences Czech Republic Paper# 205
1520	Mechanism of the First C-C Bond Formation in Methanol Conversion over Zeolites Xinqiang Wu Dalian Insitute of Chemical Physics China Paper# 448	Zeolitic but Unique Microchannels within Layers of Magadiite, a Natural Layered Silicate Yusuke Ide National Institute for Materials Science (NIMS) Japan Paper# 138	KEYNOTE: Single zeolite crystals with highly ordered intracrystalline hierarchically macro-meso-microporosity for sustainable catalysis Bao-Lian Su University of Namur Belgium	KEYNOTE: ELECTRONIC DISPROPORTIONATION UPON SORPTION INTO ZEOLITES Karl Seff University of Hawaii United States Paper# 120
1540	Synthesis of Nano-sized, Sheet-like and Hierarchical SAPO-34 Zeolites and Their Catalytic Properties for the Methanol-to-olefin Reactions Jiajia Ding Shanghai Research Institute of Petrochemical Technology China Paper# 48	Hierarchical IWR Zeolites with House-of-Cards-Like Structure Directed by Choline Cation Zhendong Wang Sinopec Shanghai Research Institute of Petrochemical Technology China Paper# 216		
1600 – 1620	AFTERNOON TEA			Exhibition, Grand Ballroom


1620 – 1740	2.4.1 Adsorption and catalysis <i>Sponsored by</i>  MicrotracBEL Corp.	2.4.2 Crystalline Porous and Hierarchically structured materials (zeolites, composites, bio-inspired, layered)	2.4.3 Synthesis methods, New Synthetic and Natural Zeolites	2.4.4 Theory (modelling and simulation of frameworks, their surfaces, pores and aggregate properties)
Chair	Vladimir Zholobenko	Lakshmi Kantam	Alessandro Turrina	Alexander Genest
Room	Crown 3B	Crown 1	Crown 3A	Crown 3C
1620	Pt/UiO-66 Catalysts with Tunable Acidity for Enhancing Chemoselective Cinnamaldehyde Hydrogenation Yan Wang Taiyuan University of Technology China Paper# 537	KEYNOTE: Analysis of pore quality in hierarchical zeolite catalysts Javier Perez-Ramirez, ETH Zurich, Switzerland	ADOR approach for synthesis of new zeolites by design Michal Mazur Charles University Czech Republic Paper# 114	Quantification of textural properties of hierarchical zeolites Alexander Sachse IC2MP France Paper# 157
1640	HMCM-22 Zeolite with different SiO₂/Al₂O₃: Synthesis and catalytic properties in methane dehydroaromatization Kamal Pant Indian Institute of Technology Delhi, India India Paper# 256		Template-free synthesis of highly dispersed faujasite nanocrystals He Han Dalian University of Technology China Paper# 186	Theoretical insights into the origin of selectivity in the MTO process catalyzed by small-pore zeolites Mercedes Boronat Instituto De Tecnologia Quimica, Upv-csic Spain Paper# 442
1700	Separation of low concentration methane from nitrogen using zeolites with a vacuum swing adsorption process Guoping Hu University of Melbourne Australia Paper# 316	Assembly of sub-crystals in macro-scale and construction of composite building units in micro-scale for SAPO-34 Aihua Xing National Institute of Clean-and-low-carbon Energy China Paper# 314	JBW-type zeolite from hydrated silicate ionic liquids Nick Pellens Ku Leuven Belgium Paper# 359	Temperature dependence of CO adsorption in H-FER zeolite: combined theoretical and experimental investigation Miroslav Rubes IOCB Czech Republic Paper# 99
1720	Oligomerization of C5 olefins over Nano-Ferrierite Cristina Martinez Sanchez Instituto De Tecnología Química Spain Paper# 485	New approaches to generation of acid sites in mesoporous silicas Maciej Trejda Adam Mickiewicz University Poland Paper# 195	Catalytic upgrade of pyrolysis vapours coupled with gaseous hydrogenation to produce hydrocarbon-rich bio oil Muxina Konarova The University of Queensland Australia Paper# 631	Effect of Pore Topology on Water Adsorption in Zeolites: Computer Simulation Studies Robert Bell University College London United Kingdom Paper# 414
1730 – 1830	Poster Presentations			Exhibition, Grand Ballroom

0730 – 1730	REGISTRATION DESK OPEN					Grand Ballroom Foyer
0800 – 0830	ARRIVAL TEA AND COFFEE					Exhibition, Grand Ballroom
0800 – 1830	EXHIBITION OPEN					Exhibition, Grand Ballroom
0830 – 0930	PLENARY SESSION 2 <i>Chair: Michael Stockenhuber</i>					Crown 1
0840 – 0930	PLENARY PRESENTATION: Hard Templating: Zeolites, Mesoporous Materials and Complex Composites Ferdi Schuth , Max-Planck-Institut für Kohlenforschung, Germany					
0930 – 0940	Movement to Concurrent Sessions					
0940 – 1040	3.1.1 Adsorption and catalysis <i>Sponsored by</i>  MicrotracBEL Corp.	3.1.2 Porous polymers (MOFS and COFS)	3.1.3 New concepts in shape-selectivity (chemicals, fine chemicals and pharmaceuticals)	3.1.4 Adsorption, Separation and Diffusion (fundamentals, membranes, process intensification)	3.1.5 Industrial Session 1	
Chair	Valdimir Zholobenko	Tina Düren	George Zhao	Antonio Araujo	Nikolai Nesterenko	
Room	Crown 3C	Crown 1	Crown 3A	Crown 3B	M1	
0940	Cu (II) Superoxo Species in SAPO-34 Zeolite and Their Catalytic Oxidation Performance Haijun Chen Nankai University China Paper# 552	A Facile Synthesis Route for High Porosity MOF Aerogels King Lun Yeung The Hong Kong University of Science and Technology Hong Kong Paper# 421	Operando ftir study on the oxidation of functionalised olefins over TS-1 using hydrogen peroxide Luke Harvey The University of Newcastle Australia Paper# 0	Sustainable low-cost synthesis of zeolites from mining tailings for heavy metal adsorption Hong Peng The University of Queensland Australia Paper# 139	Synthesis of template free high silica Nano-Fau-Y for catalytic cracking applications Hanin Radman Adnoc Refining United Arab Emirates Paper# 238	
1000	The effect of trivalent framework heteroatoms in Cu-CHA on the Selective Catalytic Reduction of NO Dirk De Vos Kuleuven Belgium Paper# 487	Metal-Organic Frameworks for Bioactive Peptide Separation Huanting Wang Monash University Australia Paper# 341	Selectivity by confinement within the pores and in the structured external surface of zeolites. Mercedes Boronat Instituto De Tecnología Química, Universitat Politècnica De València-consejo Superior De Investigaciones Científicas Spain Paper# 531	Adsorption of toluene in mfi: flexible zeolite in monte carlo simulations Sebastian Caro-Ortiz TU Delft Netherlands Paper# 406	KEYNOTE: Recent Advances of Industrial Zeolites for Emission Control Applications Hong-Xin Li Zeolyst international United States	
1020	Hydrogen Supply/Storage through the Decomposition/Production of Formic Acid using the Synergic Effect of PdAg Alloy and Surface Modified Amine on the Porous Materials Shinya Masuda Osaka University Japan Paper# 219	Porous Aromatic Frameworks (PAFs) Guangshan Zhu Northeast Normal University China Paper# 60	Modulating the distribution of Brønsted acid site for DME carbonylation over mordenite Ying Li Tianjin University China Paper# 102	Large-grain, oriented, and thin zeolite MFI membranes fabricated from directly-synthesized nanosheets and their application for xylene isomer separation Michael Tsapatsis University of Minnesota United States Paper# 475		
1040 – 1110	MORNING TEA					Exhibition, Grand Ballroom

1110 – 1250	3.2.1 Adsorption and catalysis <i>Sponsored by</i>  MicrotracBEL Corp.	3.2.2 Porous polymers (MOFS and COFS)	3.2.3 New concepts in shape-selectivity (chemicals, fine chemicals and pharmaceuticals)	3.2.4 Adsorption, Separation and Diffusion (fundamentals, membranes, process intensification)	3.2.5 Industrial Session 1
Chair	Jun Huang	Shaobin Wang		Moses Tade	Michael Stockenhuber
Room	Crown 3C	Crown 1	Crown 3A	Crown 3B	M1
1110	<p>KEYNOTE Enantiomeric Separations and Catalysis with Chiral Molecular Sieves Mark Davis California Institute of Technology United States</p>	<p>Ni-Deposited MOF as the Photocatalyst for H2O2 Production Hiromi Yamashita Osaka University Japan Paper# 343</p>	<p>Identification and regulation of active sites on nanodiamonds: Establishing a highly efficient catalytic system for oxidation of organic contaminants Zhong Ren Nanchang Hangkong University China Paper# 606</p>	<p>Fabrication of Twin-Free, Highly Oriented and Sub-Micrometer-Thick Molecular Sieve Membranes with Superior Gas selectivity Yi Liu Dalian University of Technology China Paper# 15</p>	<p>KEYNOTE: The Synthesis, Structure, and Catalytic Performance of the 11 ring Zeolite EMM 17 Simon Weston Exxon Mobil United States Paper# 430</p>
1130		<p>Design Synthesis of Nanoscale UiO-66 and its application Xinwen Guo Dalian University of Technology China Paper# 250</p>	<p>Pd Nanoparticles Immobilized on MIL- 53(Al) as Effective Bifunctional Catalysts for Catalytic Conversion Liquid Methanol One-Step to Methyl Formate Shengfu Ji Beijing University of Chemical Technology China Paper# 18</p>	<p>Hierarchically Porous Carbons for Catalytic Oxidation: The Synergetic Enhancement by Nitrogen Doping and Structural Defects Wenchao Peng Tianjin University China Paper# 57</p>	
1150	<p>Hydrothermal Stable Subnanometric NiPt Clusters Encapsulated within Silicalite-1 for n-Dodecane Steam Reforming Bofeng Zhang Tianjin University China Paper# 389</p>	<p>INVITED: Green Synthesis of Zeolites and Examples for Their Industrially Sustainable Production Feng-Shou Xiao Zhejiang University China</p>	<p>THE ISOPROPYLATION OF NAPHTHALENE OVER BEA ZEOLITES Stalin Joseph The University of Newcastle Australia Paper# 349</p>	<p>Monitoring Mass Transfer in Nanoporous Materials: Impact on Separation and Catalysis Jörg Kärger Leipzig University Germany Paper# 87</p>	<p>Nanosheet Morphology Of Aei Type Zeolite Made Using Morpholinium-Based Structure Directing Agent ROGER MOULTON Sachem, Inc. United States Paper# 541</p>
1210	<p>Multi-ammonium surfactant-directed mesoporous zeolites for supporting high performance metal catalyst Jaeheon Kim Ibs South Korea Paper# 415</p>	<p>Systematic Functionalization of Isorecticular Zeolite-like Supramolecular Assemblies (ZSAs) and Application in Gas Adsorption and Separation Yunling Liu Jilin University China Paper# 277</p>	<p>Sinter-Resistant Metal Nanoparticle Catalysts Achieved by Immobilization within Zeolite Crystals via Seed-Directed Growth Liang Wang Zhejiang University China Paper# 3</p>	<p>Identification and fabrication of specific chemical speciation as active sites in Y zeolites and application in selective adsorption desulfurization and catalytic reaction Yun Zu Liaoning Shihua University China Paper# 170</p>	<p>INVITED: Hydrocarbon Structure Selectivity in Zeolites and Their Application in Refining Processes Xiangcheng Fang Sinopec China</p>
1230	<p>Preparation of Ni nanoparticles encapsulated in silicalite-1 zeolite to suppress coke formation during dry reforming of methane Hiroyasu Fujitsuka Tokyo Institute of Technology Japan Paper# 368</p>	<p>Knoevenagel catalysis by ordered mesoporous carbon nitride from 5-Amino- 1h-Tetrazole Sujanya Jesus Maria Ruban The University of Newcastle Australia Paper# 348</p>	<p>Control of Ti distribution in the zeolite framework and its impact on the catalytic properties Toshiyuki Yokoi Tokyo Institute of Technology Japan Paper# 423</p>		<p>The Complex Zeolite UZM-55 Containing 10- and 12-Membered Rings in the Same One-Dimensional Channel Christopher Nicholas Honeywell UOP United States Paper# 115</p>
1250 - 1400	LUNCH				Exhibition, Grand Ballroom

1400 – 1600	3.3.1 Adsorption and catalysis <i>Sponsored by</i>  MicrotracBEL Corp.	3.3.2 Porous polymers (MOFS and COFS)	3.3.3 New concepts in shape-selectivity (chemicals, fine chemicals and pharmaceuticals)	3.3.4 Adsorption, Separation and Diffusion (fundamentals, membranes, process intensification)	
Chair	Hongqi Sun	Bao-Lian Su	George Zhao	Moses Tade	
Room	Crown 3C	Crown 1	Crown 3A	Crown 3B	
1400	Low-temperature synthesis of alpha-alumina nanosheets on microfibrillar-structured Al-fibers for Pd-catalyzed CO oxidative coupling to dimethyl oxalate Chunzheng Wang China University Of Petroleum (east China) China Paper# 172	KEYNOTE: Carbon-based catalytic materials for energy conversion Jiesheng Chen	Hydrocarbon Pool Mechanism of Methane Dehydroaromatization Over Mo/Zeolite Catalysts Nikolay Kosinov Eindhoven University of Technology Netherlands Paper# 63	Mixed matrix membranes consisting of nanosized sodalite crystals for H₂/N₂ separation Ge Yang China University of Petroleum (east China) China Paper# 121	
1420	Yolk-shell Nanostructured Aminopolymer-silica composite Encapsulating Pd Nanoparticles for Selective Hydrogenation of Alkynes Yasutaka Kuwahara Osaka University Japan Paper# 200		Enhancing propane aromatization performance of Zn/H-ZSM-5 zeolite catalyst with Pt promotion: effect of the third metal additive Sn or Fe Jiaxu Liu Dalian University of Technology Paper# 239	Pore Entrance Kinetics in Binary Xylene Mixtures: Impeding p-Xylene Transport in MFI Type Zeolites Martin Baumgärtl Technische Universität München Germany Paper# 403	
1440	Brønsted Acid Adjustable Metal-Organic Frameworks Act as Bifunctional Catalysts Proved by Fixed-Bed Ethanol Reaction Zheng Ming Dalian Institute of Chemical Physics, Chinese Academy of Sciences China Paper# 156	Synthesis of porous coordination polymers from structured and functionalized ionic liquid media Martin Hartmann FAU Erlangen-Nürnberg Germany Paper# 379	Improvement of HZSM-5 Catalyst Life by Adjusting Si/Al Ratio and Mesoporosity for Catalytic Cracking of exo-tetrahydrodicyclopentadiene Tae Ho Lee Korea University Korea Paper# 153	A solid-state NMR spectroscopy investigation of flexibility in zeolites Suzi Pugh University of St Andrews United Kingdom Paper# 595	
1500	One-pot co-crystallization of beta and ZSM-5 nanozeolites for the direct conversion of a heavy reformat fraction into xylenes Cristina Martínez Instituto De Tecnología Química, UPV-CSIC Spain Paper# 435	Highly efficient catalyst for room-temperature oxidation desulfurization: H3PW12O40/UiO-66(Zr) prepared by a facile method Yinyong Sun Hit China Paper# 411	KEYNOTE: Beta-Zeolite an efficient and eco-friendly catalyst for the nitration and acylation of aromatic compounds Lakshmi Kantam Institute of Chemical Technology India	Solvent Effects on Acid-Base Interactions in Zeolites Robert Rioux Pennsylvania State University United States Paper# 494	
1520	Structural design for Ni-SAPO-11 hydroisomerization catalyst Yuchao Lyu China University of Petroleum China Paper# 289	Tuning the structure of zeolitic imidazolate frameworks for enhanced photocatalytic C-H activation Cameron Ross University of Southampton / ICES A*STAR Singapore Paper# 94		Enhanced Copper Sorption of Chemically Modified and Gamma-irradiated Philippine Natural Zeolite (PNZ) Eleanor Olegario University of the Philippines Paper# 650	

1540	<p>New ways of preparing highly stable Nickel-Oxide catalysts with organized porosities for the reforming of methane with carbon dioxide.</p> <p>Julien Reboul CNRS France Paper# 604</p>					
1600 – 1620	AFTERNOON TEA					<i>Exhibition, Grand Ballroom</i>
1620 – 1740	<p>3.4.1 Adsorption and catalysis <i>Sponsored by</i>  MicrotracBEL Corp.</p>	<p>3.4.2 Porous polymers (MOFS and COFS)</p>	<p>3.4.3 New concepts in shape-selectivity (chemicals, fine chemicals and pharmaceuticals)</p>	<p>3.4.4 Adsorption, Separation and Diffusion (fundamentals, membranes, process intensification)</p>		
Chair	Hongqi Sun	Xiaolei Fan	Pegie Cool	Hiromi Yamashita		
Room	Crown 3C	Crown 1	Crown 3A	Crown 3B		
1620	<p>Achieving a Super-long Lifetime in the Zeolite-catalyzed MTO Reaction under High Pressure: Synergistic Effect of Hydrogen and Water</p> <p>Peng Tian Dalian Institute of Chemical Physics China Paper# 492</p>	<p>KEYNOTE: Editing Functionality into Covalent Organic Frameworks</p> <p>Wei Wang Lanzhou University China</p>	<p>Highly Selective Au-Pt Bimetallic Nanoparticles Supported on Foam-like Mesoporous Silica for Benzyl Alcohol Oxidation</p> <p>Pingping Wu China University of Petroleum (East China) China Paper# 214</p>	<p>Grafting of Bipyridine-proline into the Zn-Modified Mesoporous BMMs and its application for Asymmetric Aldol Reaction</p> <p>Guang Peng Xu Beijing University of Technology China Paper# 45</p>		
1640	<p>Particularities of Adsorption and Diffusion in Zeolite Membranes for Efficient Seawater Desalination</p> <p>Xiaoqin Zou Northeast Normal University China Paper# 500</p>		<p>Improvement of the Effective Diffusivity of a Shaped Zeolite</p> <p>Rogéria Bingre Icpees - Université De Strasbourg France Paper# 159</p>	<p>Suitable pore size distribution theory and adsorption experimentation - N₂ or Ar gas probe, NLDFT or GCMC kernel</p> <p>Kazuyuki Nakai Microtracbel Corp Japan Paper# 144</p>		
1700	<p>The use of silver zeolites for conferring biocidal properties to polymeric materials.</p> <p>Eduardo Palomares Instituto Tecnologia Quimica (upv-csic) Spain Paper# 542</p>	<p>Acid Gas Stability and Selectivity of Rare Earth MOFs</p> <p>Tina Nenoff Sandia National Laboratories United States Paper# 629</p>	<p>The cooperativity of Brønsted and Lewis acid sites on zeolite for glycerol dehydration</p> <p>Zichun Wang Macquarie University Australia Paper# 208</p>	<p>Framework Mobility in MIL-101 and MIL-53 Investigated by 2H solid-state NMR</p> <p>Alexander Stepanov Borskov Institute of Catalysis SB RAS Russian Federation Paper# 300</p>		
1720	<p>The Low-cost Preparation of Mesoporous USY Zeolite and its Potential as Industrial FCC Catalyst Material</p> <p>Baojian Shen China University of Petroleum China Paper# 135</p>	<p>Transition metal complexes modified N-heterocyclic MOF/COF materials: single-site heterogeneous catalysts for liquid phase oxidation</p> <p>Ying-Ya Liu Dalian University of Technology China Paper# 229</p>	<p>Application of Bi-functional Ni/HZSM-5 Catalyst for Vapor-phase Hydrogenation of Levulinic Acid to γ-valerolactone</p> <p>Nataša Novak Tušar National Institute of Chemistry Slovenia Paper# 434</p>	<p>Kinetic evaluation of dehydrated bi-metallic Ag₂M96-a-LSX (M=Na⁺, Li⁺) zeolites and its influence on adsorption of N₂ and O₂</p> <p>Hamida Panezai Sardar Bahadur Khan Women's University, Quetta Pakistan Paper# 301</p>		
1730 – 1830	Poster Presentations					<i>Exhibition, Grand Ballroom</i>

0800 – 1300	REGISTRATION DESK OPEN				Grand Ballroom Foyer
0800 – 0830	ARRIVAL TEA AND COFFEE				Exhibition, Grand Ballroom
0800 – 1130	EXHIBITION OPEN				Exhibition, Grand Ballroom
0830 – 0930	PLENARY SESSION 3 <i>Chair: Moses Tade</i>				Crown 1
0840 – 0930	PLENARY PRESENTATION: Recent Advances in Petrochemical Zeolite Catalysis Jeffrey Bricker , UOP – Honeywell, <i>United States</i>				
0930 – 0940	Movement to Concurrent Sessions				
0940 – 1040	4.1.1 Refining (heavy oils, shale oils, tar sands, biomass)	4.1.2 Adsorption and Catalysis <i>Sponsored by</i>  MicrotracBEL Corp.	4.1.3 Industrial Session 2	4.1.4 Adsorption, Separation & Diffusion (fundamentals, membranes, process intensification)	
Chair				Ajayan Vinu	
Room	Crown 3A	Crown 3B	Crown 1	Crown 3C	
0940	Preparation and Characterization of Zeolite Y Advantageous to Polycyclic aromatic hydrocarbons Conversion Chang Liu Dalian(fushun) Research Institute Of Petroleum And Petrochemicals, Sinopec <i>China</i> <i>Paper# 304</i>	Improving the efficiency of biomass catalytic pyrolysis by tailoring the physicochemical properties of technical ZSM-5 based catalysts Héctor Hernando Marcos Universidad Rey Juan Carlos <i>Paper# 512</i>	Understanding bimetallic synergy in extruded nanoparticles for industrial oxidation reactions Panashe Mhembere University of Southampton <i>United Kingdom</i> <i>Paper# 262</i>	Fly ash zeolite X for CO2 capture Yuri Kalvachev Institute of Catalysis, Bulgarian Academy of Sciences <i>Bulgaria</i> <i>Paper# 547</i>	
1000	Hydrodeoxygenation of Phenolic Compounds to Cycloalkanes over HZSM-5 Supported Nickel Phosphides Anjie Wang Dalian University of Technology <i>Paper# 225</i>	Facile synthesis of fluorescent polycyclic aromatic hydrocarbons in calcium ion exchanged-Ita zeolite Seung Hyeon Ko Institute for Basic Science <i>South Korea</i> <i>Paper# 382</i>	Finding Catalytic Applications of Zeolites Using n-Decane Hydrocracking-Hydroisomerization as a Catalytic Test Reaction C. Y. Chen Chevron Energy Technology Company <i>United States</i> <i>Paper# 375</i>	INVITED: Selectivity Engineering in Synthesis of Chemicals and Materials using Novel Catalysts Ganapati Yadav	
1020	Oxidative Dehydrogenation of Ethane with Carbon Dioxide over Selected Metal-Impregnated Zeolite Catalysts Annelies De Cuyper Kaiserslautern University Of Technology <i>Germany</i> <i>Paper# 327</i>	Experimental Investigation of MTO Reaction over ZSM-5 via Isotopic Transient Analysis Takahiko Moteki The University of Tokyo <i>Japan</i> <i>Paper# 249</i>	Combined Alkali-Organ ammonium Structure Direction of High Charge Density MeAPO and SAPO Molecular Sieves: The Missing Link Gregory Lewis Honeywell Uop <i>United States</i> <i>Paper# 409</i>	Remarkably enhanced industrially relevant acid- and redox-catalysed processes using Al-rich beta zeolites Petr Sazama J. Heyrovský Institute of Physical Chemistry of the CAS <i>Czech Republic</i> <i>Paper# 373</i>	
1040 – 1110	MORNING TEA				Exhibition, Grand Ballroom

1110 – 1250	4.2.1 Refining (heavy oils, shale oils, tar sands, biomass)	4.2.2 Energy conversion and storage (photocatalysis, batteries, thermochemical)	4.2.3 Industrial Session 2	4.2.4 Adsorption, Separation & Diffusion (fundamentals, membranes, process intensification)
Chair	Michael Stockenhuber	George Zhao	Ajayan Vinu	Shaobin Wang
Room	Crown 3A	Crown 3B	Crown 1	Crown 3C
1110	Influence of support identity of Ru-based catalysts on the catalytic performance for the hydrodeoxygenation of guaiacol and biocrude oil Penghui Yan The University of Newcastle Australia Paper# 528	KEYNOTE: Opportunities for zeolites in the methane challenge Nikolai Nesterenko Total Belgium	Characterization of phosphorus-containing ZSM-5 materials: hydrothermal synthesis vs. wetness impregnation Ming-Feng Hsieh Johnson Matthey United Kingdom Paper# 481	Clustering of acidic and non-acidic oh groups in zeolites – addressing recent doubts as to the existence of silanol nests Hubert Koller University of Muenster Germany Paper# 540
1130	Study of crude oils by use of fast fluidised bed reactor: Unlock the value creation for light olefins production by disruptive technique Gnana Pragasam Singaravel ADNOC Refining United Arab Emirates Paper# 12		Recent chevron discoveries in small pore zeolites for petrochemical and separations applications Dan Xie Chevron Energy Technology Co. United States Paper# 294	ELECTRONIC DISPROPORTIONATION UPON SORPTION INTO ZEOLITES Karl Seff University of Hawaii United States Paper# 120
1150	Catalytic cracking of polyethylene over hierarchical ZSM-5 zeolites Karolina Tarach Jagiellonian University Poland Paper# 461	Achieving a Super-long Lifetime in the Zeolite-catalyzed MTO Reaction under High Pressure: Synergistic Effect of Hydrogen and Water Peng Tian Dalian Institute of Chemical Physics China Paper# 497	Establishing Structure-Activity Relationships for Direct Methane to Methanol over Cu-Exchanged Zeolites Pablo Beato Haldor Topsoe As Denmark Paper# 383	Transition metal cation-exchanged SSZ-13 zeolites for CO₂ capture and separation from N₂ Jin Shang City University of Hong Kong Hong Kong Paper# 291
1210	Recent Advances in Thermo-Chemical Conversion of Biomass using Porous Materials Michael Wilhelm Stöcker SINTEF Industry Norway Paper# 7	Unrevealing the synergic site in metal modified ZSM-5 zeolite by solid state NMR spectroscopy Jun Xu Wuhan institute of physics and mathematics, CAS China Paper# 404	High throughput testing of catalysts with fast deactivation for Methanol-to-Hydrocarbons (MTH) Marius Kirchmann hte GmbH Germany Paper# 410	Solvent-free Secondary Growth of Oriented MFI-type Zeolite Films from Anhydrous Raw Solids Zhengbao Wang Zhejiang University China Paper# 19
1230	Cracking performance of light diesel over hierarchical zeolite Y Zhihong Gao Taiyuan University of Technology China Paper# 315		KEYNOTE: Post modified USY in hydrocracking service Omer Refa Koseoglu Saudi Aramco Saudi Arabia	N-dodecane Hydroisomerization over ZSM-22 : Controllable Microporous Acidity Distribution and Shape-Selectivity Wang Xiangyu Tianjin University China Paper# 630
1300	Cultural Excursion Please make your way at the conclusion of the session to the coaches located in the coach pick up zone on the lower lobby of Crown Towers. Coaches will depart promptly no later than 1315.			

0800 – 1730	REGISTRATION DESK OPEN				<i>Grand Ballroom Foyer</i>
0800 – 0830	ARRIVAL TEA AND COFFEE				<i>Exhibition, Grand Ballroom</i>
0800 – 1630	EXHIBITION OPEN				<i>Exhibition, Grand Ballroom</i>
0830 – 0930	PLENARY SESSION 4 <i>Chair: Thomas Maschmeyer</i>				<i>Crown 1</i>
0840 – 0930	PLENARY PRESENTATION – Synthesis: zeolites by design: did we really achieve it? Johan Martens , University of Leuven, <i>Belgium</i>				
0930 – 0940	<i>Movement to Concurrent Sessions</i>				
0940 – 1040	5.1.1 Energy conversion and storage (photocatalysis, batteries, thermochemical)	5.1.2 Crystalline Porous and Hierarchically structured materials (zeolites, composites, bio-inspired, layered)	5.1.3 Synthesis methods, New Synthetic and Natural Zeolites	5.1.4 In-situ/operando spectroscopy of working porous solids	
Chair		Xinmei Liu	Mark Davis		
Room	Crown 3A	Crown 1	Crown 3B	Crown 3C	
0940	Graphene-dots / Metal-nanosponge Composite Catalysts for High-Performance Hydrogen Evolution Reaction Ho-Suk Choi Chungnam National University <i>South Korea</i> <i>Paper# 396</i>	The framework defects – an efficient tool to engineer hierarchical zeolites Zhengxing Qin China University of Petroleum <i>China</i> <i>Paper# 240</i>	Formation and Interconversion of Porous Scaffolds with Bicontinuous Structures Lu Han Tongji University <i>China</i> <i>Paper# 598</i>	Proton mobility and acid site location in zeolites at catalytically relevant conditions Pit Losch Max-Planck-Institut Für Kohlenforschung <i>Germany</i> <i>Paper# 177</i>	
1000	Direct CO₂ Hydrogenation into Value-added C₂+ Hydrocarbons over Oxide/Zeolite Bifunctional Catalysts Peng Gao Shanghai Advanced Research Institute, Chinese Academy Of Sciences <i>China</i> <i>Paper# 4</i>	Hierarchical MFI Type Materials with Intracrystalline Macropores: Syntheses Characterization and Catalytic Application Wilhelm Schwieger University of Erlangen-nuremberg, Germany <i>Germany</i> <i>Paper# 449</i>	Facile preparation of b-oriented MFI zeolite nanosheet Ying Ji Dalian University of Technology <i>China</i> <i>Paper# 97</i>	INVITED: Thermal Analysis Applied For Degradation Of Petroleum Residues Using Zeolites And Micro-Mesoporous Materials Antonio Arujo Federal University of Rio Grande Do Norte <i>Brazil</i>	
1020		Hierarchical ZSM-5 with leafy morphology obtained by dual-template method Vesna Rakic University of Belgrade, Faculty Of Agriculture <i>Serbia</i> <i>Paper# 267</i>	Synthesis of Zinco(alumino)silicate Zeolites with Various Topologies toward High Ion-Exchange Capability for Multivalent Cations Kenta Iyoki The University of Tokyo <i>Japan</i> <i>Paper# 154</i>	Structural Determination of Nanoporous Materials by Rotation Electron Diffraction Zhehao Huang Stockholm University <i>Sweden</i> <i>Paper# 264</i>	
1040 – 1110	MORNING TEA				<i>Exhibition, Grand Ballroom</i>
1110 – 1230	IZA General Assembly				<i>Crown 1</i>
1230 – 1400	LUNCH				<i>Exhibition, Grand Ballroom</i>

1400 – 1600	5.3.1 Energy conversion and storage (photocatalysis, batteries, thermochemical)	5.3.2 Crystalline Porous and Hierarchically structured materials (zeolites, composites, bio-inspired, layered)	5.3.3 Synthesis methods, New Synthetic and Natural Zeolites	5.3.4 In-situ/operando spectroscopy of working porous solids
Chair	Moses Tade			Jun Huang
Room	Crown 3A	Crown 1	Crown 3B	Crown 3C
1400	Highly dispersed Sub-nanometer Silver Clusters in FAU Cages Exhibiting High Photocatalytic Activity Under Visible Light Mohamad El-Roz Normandie Univ, Ensicaen, Unicaen, Cnrs, Laboratoire Catalyse Et Spectrochimie France Paper# 175	Multimodal zeolite catalysts with hierarchically micro-meso-macroporous structure Li-Hua-Chen Shen Yu Wuhan University of Technology China Paper# 506	First Preparation of Microporous AFY-type MeAPO by Topotactic Pillaring of Lamellar Aluminophosphate Precursor Kazuyuki Maeda Tokyo University of Agriculture and Technology Japan Paper# 201	KEYNOTE: Combining different techniques in the structure analysis of zeolitic materials Lynne McCusker ETH Zurich Switzerland
1420	Understanding the role of titanium in catalytic oxidation of VAM over Pd/TS-1 and Pd/Silicate-1 Matthew Drewery University of Newcastle Australia Paper# 516	Sustainable Synthesis of Zeolites and Design of Sinter-Resistant Metal Nanoparticles by Zeolite Fixing Feng-shou Xiao Zhejiang University 中国 Paper# 9	Improving the MTO performance by controlling the Al distribution within Nanosized CHA-Type catalysts Manuel Moliner Instituto Tecnologia Quimica, Upv-csic Spain Paper# 391	
1440	INVITED: The design of nanoporous (photo)catalysts for environmental applications Pegie Cool University of Antwerp Belgium	The Role of Zeolitic Acidity in TCE Destructive Oxidation over Ce-Modified Zeolite Bea Kinga Gołabek Jagiellonian University Poland Paper# 357	Continuous Flow Synthesis of Zeolites: Recent Progresses and Future Perspectives Zhendong Liu The University of Tokyo Japan Paper# 293	Structural analysis of zeolites in atomic scale with aberration corrected S/TEM Kaname Yoshida Japan Fine Ceramics Center Japan Paper# 125
1500	Insights into Methane Dehydro-Aromatization from Photon Ionization Mass Spectrometry Hao Ma Shanghai Jiao Tong University China Paper# 599	Bi-functional Cationic Polymeric Template Assisted Synthesis of Hierarchical Zeolite-Y for CO₂ Capture Balasubramanian V.Vaithilingam Adnoc Refining United Arab Emirates Paper# 380	First Organic Structure-Directing Agents Based on Arsenic Cation: A Versatile Probe for Mechanism Insight of the Crystallization Process in the Growth of Zeolite Structure. Fernando Rey Instituto De Tecnologia Quimica Spain Paper# 590	Local order, intermolecular interactions and properties of zeolites: the Organic Structure Directing Agent point of view Bruno Alonso CNRS France Paper# 376
1520	Plasmon-Driven Catalysis on Single Hierarchical Metal Nanostructures Ping Xu Harbin Institute of Technology China Paper# 130	INVITED: The Art of Inducing Hierarchical Porosity In Zeolitic Materials: Controlled Crystallization-Supported Self-Assembly Parasuraman Selvam Indian Institute of Technology-Madras India	A New Microwave Method for Preparing Hierarchical Zeolites with High Mesoporosity Xiaolei Fan The University of Manchester United Kingdom Paper# 56	Effect of Macro templating on the titanium sites in microporous titanasilicate TS-1 Catalyst Gopinathan Sankar University College London United Kingdom Paper# 385
1540	Applications of zeolite β-templated carbon for supercapacitor devices Massimo Migliori University of Calabria Italy Paper# 450	Controlling of acidity and diffusion of SAPO-34 and its improved performance for methanol to olefins reaction Aihua Xing National Institute of Clean-and-low-carbon Energy China Paper# 308	Efficiency of Al substitution in Fe- and Mn-impregnated fly-ash-derived SBA-15 mesoporous molecular sieves to promote N₂ selectivity in low-temperature NH₃-SCR Ge Li National Institute of Clean-and-low-carbon Energy China Paper# 524	Microsecond time-resolved in situ/operando spectroscopy of working zeolites thanks to a new quantum cascade laser – FT-IR combined spectrometer Josefine Schnee Laboratoire Catalyse et Spectrochimie-Ensicaen-CNRS France Paper# 605
1600 – 1620	AFTERNOON TEA			Exhibition, Grand Ballroom

1620 – 1740	5.4.1 Energy conversion and storage (photocatalysis, batteries, thermochemical)	5.4.2 Crystalline Porous and Hierarchically structured materials (zeolites, composites, bio-inspired, layered)	5.4.3 Synthesis methods, New Synthetic and Natural Zeolites	5.4.4 In-situ/operando spectroscopy of working porous solids
Chair		Jean-Pierre Gilson		Michael Stockenhuber
Room	Crown 3A	Crown 1	Crown 3B	Crown 3C
1620	Zeolite Y as the water adsorbent for mobile sorption heat storage Alenka Ristić National Institute of Chemistry Slovenia Paper# 268	KEYNOTE: Hierarchical Zeolites as Catalysts: Synthesis, Structure and Reactivity Chris Jones Georgia Institute of Technology United States	Mastering of Zr-sites in BEA catalyst towards the improvement of its acidity and catalytic performance Irina Ivanova M.V.Lomonosov Moscow State University Russian Federation Paper# 613	Redox mechanism of heterogeneous Wacker oxidation over Pd-Cu-exchanged zeolite Y Jerick Imbao Eth Zurich / Paul Scherrer Institute Switzerland Paper# 472
1640	Tri-reforming of methane: Effect of catalyst support Rohit Kumar Indian Institute of Technology Delhi, India India Paper# 371		Stepwise Gel Preparation for High-Quality Small-Pore Zeolite Synthesis; A Common Tool for Synthesis Diversification Nao Tsunoji Hiroshima University Japan Paper# 106	Advanced Electron Diffraction Techniques for Structure Elucidation and Discovery of Novel Porous Materials Xiaodong Zou Stockholm University Sweden Paper# 589
1700	High Pressure Intrusion of Aqueous Salt Solutions in Silicalite-1 for Mechanical Energy Absorption and Storage: Influence of Salt Nature Andrey Ryzhikov Institut De Science Des Matériaux De Mulhouse (IS2M) France Paper# 431	Rice husk ash derived nanoscale ZSM-5 for highly efficient removal of a toxic textile dye Sujit Sen National Institute of Technology Rourkela India Paper# 574	Synthesis and Acid Properties of the Phosphorus-Modified Small and Medium Pore Zeolite ITQ-52 Raquel Simancas Tokyo Institute of Technology Japan Paper# 344	Reaction and Deactivation Mechanism Insights into Catalytic Conversion of Ethanol to Butadiene over Bifunctional Zn-Y/Beta Zeolite Tingting Yan Nankai University China Paper# 14
1720	Zeolite Encapsulated Nickel Nanoparticles and their Catalytic Activity for CO₂ Methanation Jerrick Mielby Technical University of Denmark Denmark Paper# 459	The role of mesoporosity and acid site speciation of hierarchical y zeolite in low polyethylene (ldpe) cracking Jim Mensah The University of Newcastle Australia Paper# 628	The synthesis of small particle sized SAPO-34 for the reaction of Methanol to Olefins Zhibin Li Heilongjiang University China Paper# 58	Real-Time IR Spectroscopy Describes Brønsted Site – Ethanol Molecule Interaction: Rapid Scan IR Measurements and 2D COS Analysis Kinga Góra-Marek Jagiellonian University Poland Paper# 257
1830 – 2300	IZC'19 GALA DINNER <i>Coaches will depart from the coach pick up zone located on the lower lobby of Crown Towers at 1830</i>			State Reception Centre, Kings Park

0830 – 1300	REGISTRATION DESK OPEN				Grand Ballroom Foyer
0830 – 0900	ARRIVAL TEA AND COFFEE				Exhibition, Grand Ballroom
0830 – 1130	EXHIBITION OPEN				Exhibition, Grand Ballroom
0900 - 0950	PLENARY SESSION 5 <i>Chair: Shaobin Wang</i>				Crown 1
0900 – 0950	PLENARY PRESENTATION: Selectivity control of syngas conversion by bifunctional OX-ZEO catalyst conc Xiulian Pan , Chinese Academy of Sciences, <i>China</i>				
0950 – 1000	Movement to Concurrent Sessions				
1000 – 1100	6.1.1 Characterisation	6.1.2 Catalysis and characterisation	6.1.3 Porous polymers (MOFS and COFS)	6.1.4 New Synthetic and Natural Zeolites	
Chair		Michael Stockenhuber	Martin Hartmann		
Room	Crown 3A	Crown 1	Crown 3B	Crown 3C	
1000	NMR Crystallography to Resolve Structure, Host-Guest and Guest-Guest Interactions in Zeolites Eric Breynaert KU Leuven - COK-KAT <i>Belgium</i> <i>Paper# 477</i>	Aromaticity Loss of Xylenes Upon Their Adsorption in 10-Ring Zeolites Kinga Góra-Marek Jagiellonian University <i>Poland</i> <i>Paper# 258</i>	Potential of MIL-160(Al) for water generation Márcia Silva Associate Laboratory Lsre-lcm <i>Portugal</i> <i>Paper# 447</i>	Syntheses of SCM-10 and SCM-14 zeolites using pyridine derivatives as Structure-directing agents Zhendong Wang Sinopec Shanghai Research Institute of Petrochemical Technology <i>China</i> <i>Paper# 424</i>	
1020	Selective oxidation of methane to methanol by Fe- and Cu-exchanged zeolites: a spectroscopic investigation Dieter Plessers KU Leuven <i>Belgium</i> <i>Paper# 204</i>	Design of supported noble metal catalyst with a core-shell structure for enhancing hydrogenation performance Ningyue Lu Taiyuan University of Technology <i>China</i> <i>Paper# 302</i>	Engineering efficiency into a modulated MoF-catalyst for enhanced CO₂ utilisation leading to sustainable polymer synthesis Daniel Stewart University Of Southampton <i>United Kingdom</i> <i>Paper# 255</i>	KEYNOTE: Multiscale Aspects of Zeolite Crystal Engineering Jean Pierre Gilson Ensicaen <i>France</i>	
1040	Understanding the Structural Evolution of Amorphous Precursor for *BEA Zeolite around Organic Structure-Directing Agent by Combining X-ray and Neutron Total Scatterings Hiroki Yamada National Institute of Advanced Industrial Science and Technology <i>Paper# 640</i>	STUDY OF EMBRYOS OF LTA ZEOLITE AS A BASIC CATALYST IN KNOEVENAGEL CONDENSATION João Guilherme Pereira Vicente University Center Facens <i>Brazil</i> <i>Paper# 47</i>	One-step Controllable Synthesis of Organic-inorganic Hybrid Zeolite with Exceptional Hydrophobicity to Accelerate the Interfacial Reaction at Low Temperature Dan Zhou Hubei University <i>China</i> <i>Paper# 22</i>		
1100-1130	MORNING TEA				Exhibition, Grand Ballroom

1130 – 1230	6.2.1 Characterisation	6.2.2 Catalysis and characterisation	6.2.3 Porous polymers (MOFS and COFS)	6.2.4 New Synthetic and Natural Zeolites
Chair	Xiaodong Zou			Suk Bong
Room	Crown 3A	Crown 1	Crown 3B	Crown 3C
1130	Database of zeolite structures: Guide and future projects Christian Baerlocher ETH Zurich Switzerland Paper# 78	Pore selectivity and electron transfers in HZSM-5 single crystals: A Raman microspectroscopy mapping and confocal fluorescence imaging combined study Alain Moissette University of Lille France Paper# 155	KEYNOTE: Porous Metal-Azolate Frameworks for Gaseous Olefin Separation Xiao-Ming Chen Sun Yat-Sen University China	Synthesis of a new zeolite, ITQ-66 Fernando Rey Instituto De Tecnologia Quimica Spain Paper# 596
1150	Synergy mechanism and deactivation behavior of dimethyl ether carbonylation over Cu/H-MOR: theoretical, spectroscopic and kinetic investigation Shouying Huang Tianjin University China Paper# 400	Elucidation of Brønsted and Lewis sites influence on electron transfers in structured MFI-type zeolites Matthieu Hureau Lasir - Fst- University Of Lille France Paper# 328		Synthesis of the two-dimensional zeolite PST-9 and its structural evolution Juna Bae POSTECH South Korea Paper# 81
1210	Structural Characterizations of Zeolites by PXRD and Electron Crystallography Peng Guo Dalian Institute of Chemical Physics, Chinese Academy of Science China Paper# 53		Scalable Synthesis of VN Quantum Dots Encapsulated in Ultralarge Pillared N-Doped Mesoporous Carbon Microsheets for Superior Potassium Storage Haoyang Wu University of Science and Technology Beijing China Paper# 65	Extra-Large Pore Zeolite Synthesis Using Modified Natural Alkaloid as Organic Structure Directing Agent Jiuxing Jiang Sun Yat-sen University China Paper# 84
1230 – 1240	Return to plenary room (Crown 1) for closing presentations			
1240 – 1300	CLOSING PRESENTATION AND PRIZES Crown 1			

