

## Room A

## Room B

## Room C

## Room D

Sunday, 7/18

18 (Sun)	Room A	Name	Country	Title of the Abstract
<b>Chairperson: B. Ohtani</b>				
17:00	PL-01	Kazumari Domen	Japan	Toward large-scale solar fuel production using photocatalytic materials.

Monday, 7/19

19 (Mon)	Room A	Name	Country	Title of the Abstract
<b>Chairperson: W. Ueda</b>				
9:40	PL-02	Charles T. Campbell	United States of America	Surface science studies in catalysis: mechanisms, microkinetics, thermodynamics and materials.

10:30 Break

<b>Chairpersons: F.J. Cadete Santos Aires K. Asakura</b>				
10:50	IL-A01	Krijn P. de Jong	Kingdom of the Netherlands	Electron Tomography for 3D Characterization of Nanostructured Catalysts

11:30 O-A01 Pascal Fongarland French Identification of the active species in the working

11:50 O-A02 Juliette Blanchard French Republic MoSx/TiO<sub>2</sub>/SBA-15 as model hydrodesulfurization catalysts

12:10 Lunch

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10:50 O-B01 Ryu Abe Japan Robust dye-sensitized overall water splitting system with two-step photoexcitation of organic dyes and

11:10 O-B02 Hiroshi Onishi Japan Photoinduced charge carrier dynamics of doped photocatalysts

11:30 O-B03 Jae Sung Lee Republic of Heterojunctioned Semiconductor Photocatalysts for

11:50 O-B04 Keita Ikeue Japan Mn-based composite sulfides as an efficient and stable visible-light-driven photocatalyst for H<sub>2</sub> evolution

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10:50 O-C01 Andrea Beck Republic of Hungary Anomalous behaviour of different allotropic forms of titanium in Au/TiO<sub>2</sub> catalysts11:10 O-C02 Weijie Ji People's Republic of China Core-shell-structured cobalt nanoparticles for the generation of CO<sub>x</sub>-free hydrogen via ammonia decomposition

11:30 IL-C01 Wenjie Shen People's Republic of China Morphology-dependent Nanocatalysis: Metal oxides

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10:50 O-D01 Katsuhiko Akiyama Japan Metal-catalyzed hydrogenolysis of cellulose to alcohols and diols

11:10 O-D02 Hirokazu Kobayashi Japan Synthesis of sorbitol from cellulose by supported platinum catalysts

11:30 O-D03 Yoshihiro Ogaki Japan Selective Production of Xylose from Bamboo

11:50 O-D04 Cyril Pirez French Republic Steam reforming, oxidative steam reforming and partial oxidation for hydrogen production from bioethanol over nickel based catalysts

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13:30 PL-03 Noritaka Mizano Japan Molecular design of polyoxometalate-based compounds for environmentally-friendly functional group transformations - From molecular catalysts to heterogeneous catalysts.

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**Room A**  
**Tuesday, 7/20**

20 (Tue)	Room A	Name	Country	Title of the Abstract
<b>Chairperson: M. Iwamoto</b>				
9:00	PL-04	Johannes A. Lercher	Federal Republic of Germany	Hydrocarbon transport, activation and catalytic conversion in confined spaces
Break				
<b>Chairpersons: D. Hancu K. Okumura</b>				
10:10	IL-A02	Roberto Buzzoni	Republic of Italy	Strong Improvements and New Needs: a Two-Way Connection in Industrial Catalysis
10:50	IO-A01	Tohru Setoyama	Japan	The new energetically efficient process for propylene production by using a reaction of higher olefins with methanol
11:10	IO-A02	David W Johnson	United Kingdom of Great Britain and Northern	Development and Commercialisation of a Novel Methyl Methacrylate Process
11:30	IO-A03	Masatoshi Yoshimura	Japan	Novel Palladium-on-Carbon Catalyst, Pd/C[Ph <sub>3</sub> S], for Chemoselective Hydrogenation
11:50	IO-A04	Kazhiro Inamura	Japan	Development of zeolite hydrocracking catalyst and system for resid hydrosulfurization unit
Lunch				
<b>Chairperson: T. Ishihara</b>				
13:30	PL-05	Lakshmi Kantam Mannepilli	India	Recent developments on catalytic applications of nano-Crystalline metal oxides
Break				
<b>Chairpersons: R. Buzzoni H. Hamada</b>				
14:40	IL-A03	Hirohito Hirata	Japan	Recent Progress in Automotive Catalyst
15:20	IO-A05	Dan Hancu	United States of America	Understanding the inhibiting effect of aromatic hydrocarbons on the Selective Catalytic Reduction of
15:40	IO-A06	Toichiro Sasaki	Japan	Catalytic reduction of NO <sub>x</sub> from sewage sludge
Break				
Poster Review in Industrial Session				
16:20	YO-B01	Dai-Viet N. Vo	Australia	Hydrocarbon production over alumina supported-molybdenum carbide catalyst
16:35	YO-B02	Roya Dehghan-Niri	Kingdom of	In-situ reduction of cobalt oxide supported on alumina
16:50	YO-B03	Heon Jung	Republic of Korea	The role of ZrO <sub>2</sub> in Cu/ZnO/Al <sub>2</sub> O <sub>3</sub> catalysts in Methanol Synthesis
17:05	YO-B04	Leyla Kapokova	Russian Federation	Dry reforming of methane over LnFe <sub>2</sub> /Ni <sub>1-x</sub> O <sub>x</sub> perovskites and their composites with Gd-doped ceria: influence of Ln nature
17:20	YO-B05	Kazuhiko Maeda	Japan	Hexamiteo nanoscrolls as building blocks for dye-
17:40	Industrial Session Poster			

**Room B**

20 (Tue)	Room	Name	Country	Title of the Abstract
<b>Chairpersons: J. M. Basset I. Yamamaka</b>				
10:10	O-B10	Yong Li	Republic of China	Morphology-dependent Catalysis of Co <sub>3</sub> O <sub>4</sub> Nanomaterials
10:30	O-B11	Yasuyoshi Iwase	Japan	Key Role of Pore Volume of Zeolite for Selective production of Propylene from Olefins
10:50	IL-B02	Ling Qu	Republic of China (Taiwan)	The advances in petrochemical processes based on zeolite catalyst
11:30	O-B12	Jinzhong Li	People's Republic of China	Correlation of Methylbenzenes Formation with Methanol Conversion to Higher Hydrocarbons over SAPO Molecular Sieves
11:50	O-B13	Katsutoshi Sato	Japan	Triggering of n-Butane Oxidative Reforming at Ambient Temperature over Rh/Ce <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> Reduced under Mild Conditions
Lunch				
Break				
<b>Chairpersons: J. A. Lercher K. Eguchi</b>				
14:40	O-B14	Ichiro Yamamaka	Japan	Catalytic neutral hydrogen peroxide synthesis from O <sub>2</sub> and H <sub>2</sub> by PEMFC
15:00	O-B15	Kenji Hara	Japan	Preparation and Catalysis of Densely Packed
15:20	O-B16	Kohei Shigetani	Japan	Pd-Au Bimetal Catalyst Supported on Rutile-TiO <sub>2</sub> for H <sub>2</sub> O <sub>2</sub> Synthesis by Direct Oxidation of H <sub>2</sub>
15:40	O-B17	Guohui Yang	Japan	Core/Shell/Paint structure for isoparaffin direct
Break				
<b>Chairpersons: A. A. Adesina H. Yahiro</b>				
16:20	YO-B01	Dai-Viet N. Vo	Australia	Hydrocarbon production over alumina supported-molybdenum carbide catalyst
16:35	YO-B02	Roya Dehghan-Niri	Kingdom of	In-situ reduction of cobalt oxide supported on alumina
16:50	YO-B03	Heon Jung	Republic of Korea	The role of ZrO <sub>2</sub> in Cu/ZnO/Al <sub>2</sub> O <sub>3</sub> catalysts in Methanol Synthesis
17:05	YO-B04	Leyla Kapokova	Russian Federation	Dry reforming of methane over LnFe <sub>2</sub> /Ni <sub>1-x</sub> O <sub>x</sub> perovskites and their composites with Gd-doped ceria: influence of Ln nature
17:20	YO-B05	Kazuhiko Maeda	Japan	Hexamiteo nanoscrolls as building blocks for dye-
17:40	Youth Session Poster			

**Room C**

20 (Tue)	Room	Name	Country	Title of the Abstract
<b>Chairpersons: J. Wang K. Asakura</b>				
10:10	O-C08	Tatsuya Tsukada	Japan	Efficient and selective epoxidation of styrene with TBHP catalyzed by Au <sub>25</sub> clusters on hydroxyapatite
10:30	O-C09	Yong Lu	People's Republic of China	Ni-fiber-structured catalytic packing embedded with Au particles for high efficiency benzaldehyde synthesis via gas-phase oxidation of benzyl alcohol
10:50	O-C10	Tomohiro Fukura	Japan	Selective Oxidation of Cyclohexene with Hydrogen Peroxide Catalyzed by Iron(II) Complexes in Zeolite Y Cages
11:10	O-C11	Yoshihiro Sugi	Japan	Synthesis of SSZ-60 and Catalytic Properties in the Alkylation of Biphenyl and Naphthalene
11:30	IL-C03	Sang-Eon Park	Republic of Korea	Heterogeneous Organocatalysis in Confined Space
Lunch				
Break				
<b>Chairpersons: Y. Lu R. Kikuchi</b>				
14:40	O-C12	Junhu Wang	People's Republic of China	Novel Ru-fluorinated apatite catalyst with nano-rod morphology for highly efficient aerobic oxidation of alcohols
15:00	O-C13	Youzhu Yuan	People's Republic of China	Enhanced performance of Ru nanoparticles confined
15:20	O-C14	Masaki Okamoto	Japan	Catalyst of zeolite nanoparticles linked together with polymer chains
15:40	O-C15	Rui Wang	People's Republic of China	Synthesis and CO oxidation activity of heterogeneous
Break				
<b>Chairpersons: S. E. Park M. Sadakane</b>				
16:20	YO-C01	Yuji Kikukawa	Japan	Synthesis of a Novel Dialuminum-Substituted Silicotungstate and the Diastereoselective Cyclization
16:35	YO-C02	Shih-Yuan Chen	Republic of	Pinaol-type rearrangement catalyzed by Zr-
16:50	YO-C03	Jiacheng Wang	Japan	Tin Ion-exchanged Montmorillonite: Characterization and Solid Acid Catalysis for Cyanation Reactions with Cyanotrimethylsilane
17:05	YO-C04	Takato Mitsudome	Japan	Discovery of Copper-free Wacker-type Oxidation of Internal Olefins Using PdCl <sub>2</sub> -DMA Catalyst System
17:20	YO-C05	Satoshi Muratsugu	Japan	Design of a Molecule-Imprinted Ru Catalyst for
17:40	General Session Poster			

**Room D**

20 (Tue)	Room	Name	Country	Title of the Abstract
<b>Chairpersons: P. Granger S. Takakusagi</b>				
10:10	O-D10	David Chadwick	United Kingdom of Great Britain and Northern	Selective oxidation of alcohols and polyols with H <sub>2</sub> O <sub>2</sub> and air
10:30	O-D11	Mizuki Tada	Japan	Direct Phenol Synthesis from Benzene and O <sub>2</sub> on Re-PuZSM-5 Catalysts
10:50	O-D12	Graham Hutchings	United Kingdom of Great Britain and Northern	Oxidation of benzyl alcohol using supported gold palladium nanoparticles
11:10	O-D13	Tomoya Inoue	Japan	The Direct Synthesis of Hydrogen Peroxide based on Microreactor Technology
11:30	O-D14	Olga Ovsitser	Federal Republic of Germany	Stable and selective dehydrogenation of isobutane to isobutene over highly-dispersed VO <sub>x</sub> -species under oxygen-lean conditions
11:50	O-D15	Mikhail Yu. Sinev	Russian Federation	Oxidative Coupling of Methane: redox catalysis over non-reducible oxides
Lunch				
Break				
<b>Chairpersons: D. Chadwick M. Tada</b>				
14:40	O-D16	Dumeignil Franck	France	Selective oxidation of methanol over FeMo-based catalysts: Different behavior as a function of feed composition
15:00	O-D17	Yoshinao Nakagawa	Japan	Hydrogenolysis of Glycerol into 1,3-Propanediol
15:20	IL-D02	Misatake Haruta	Japan	Oxidation of ethanol to acetaldehyde and acetic acid by supported gold catalysts
Break				
General Session Poster				

**Wednesday, 7/21**

21 (Wed)	Room A	Name	Country	Title of the Abstract
<b>Chairperson: K. Asakura</b>				
9:00	PL-06	Jean Marie Basset	French Republic	Single Site Catalysis via Surface Organometallic Chemistry: A Predictive Approach of Heterogeneous Catalysis
Break				
<b>Chairpersons: J. L. Dubois K. Inamura</b>				
10:10	IL-A04	Joseph Kocal	United States of America	Biofuels: Unlocking the Potential
10:50	IO-A07	Masaru Utsunomiya	Japan	Isomerization Process of 3, 4-Diacetoxy-1-butene Catalyzed by Pd Homogeneous Complexes
11:10	IO-A08	Kota Yokoyama	Japan	Development of a New Syngas Production Process for Utilization of Associated Gas (AATG Process)
11:30	IO-A09	Christophe Geantet	French Republic	Thioresistant Catalysts for Selective Ring Opening of Gas oil
11:50	IO-A10	Rudy Coquet	Japan	A Combined Theoretical - Experimental Study to Understand and Improve the Performance of the Z-FORMING Metallosulfate Catalyst
Lunch				
Scientific Excursion				

21 (Wed)	Room	Name	Country	Title of the Abstract
<b>Chairpersons: V. Teixeira da Silva M. Matsukata</b>				
10:10	O-B18	Thomas Maschmeyer	Australia	Syntheses of MoS <sub>2</sub> Nanostructures in Ionic Liquid Media and their Application as Hydrogen Evolution Reaction Electrocatalysts
10:30	O-B19	Dorothee Laurenti	French Republic	Hydrodeoxygenation of guaicol with CoMo catalysts: a dramatic support effect
10:50	IL-B03	Shuichi Naito	Japan	Comparison of Aqueous Phase Reforming of Ethanol, Ethylene Glycol and Glycerol for Hydrogen Production over Supported Group 8-10 Metal Catalysts
11:30	O-B20	Zhen Zhao	People's Republic of China	Synthesis of Beta-KIT-6 Micro-mesoporous Material and Catalytic Performance for Hydrodesulfurization of DBT
11:50	O-B21	Haruki Tani	Japan	Development of Catalytic Process for Bio-Diesel Production
Lunch				
Scientific Excursion				

21 (Wed)	RoomC	Name	Country	Title of the Abstract
<b>Chairpersons: Y. Yuan M. Haruta</b>				
10:10	O-C16	Hui Li	People's Republic of China	Fabrication of hollow metallic nanospheres and their catalytic performances
10:30	O-C17	Lyubov A. Isupova	Russian Federation	Properties of alumina prepared by centrifugal thermal activation (CTA) route
10:50	O-C18	Feng Wang	People's Republic of China	Catalytic CC coupling reactions at benzylic position over molybdenum oxide
11:10	O-C19	Jonathan Bartley	United Kingdom of	New Nanocrystalline CuMnOx Catalysts Prepared from Supercritical Antisolvent Precipitation
11:30	O-C20	Daniel Duprez	French Republic	In-situ auto-combustion as a simple and efficient route to synthesize supported nanocrystalline oxides and mixed-oxides
11:50	O-C21	Hidenori Yahiro	Japan	Carbon oxidation over Cu-MFI zeolites pretreated at high temperature
Lunch				
Scientific Excursion				

21 (Wed)	Room	Name	Country	Title of the Abstract
<b>Chairpersons: Z. Liu T. Namba</b>				
10:10	O-D18	Pascal Granger	French Republic	Towards lower noble metal loading using perovskites as support for the abatement of atmospheric pollutants
10:30	O-D19	Pyeong Soon Kim	Republic of Korea	Selective catalytic reduction of NO by monoethanolamine over Ag/Al <sub>2</sub> O <sub>3</sub> catalyst
10:50	O-D20	Masahide Shimokawabe	Japan	SCR of NO by DME over Al <sub>2</sub> O <sub>3</sub> based catalysts: Influence of noble metals and Ba additive on low-
11:10	O-D21	Divakar Duraiswami	Spain	New insight on the storage-reduction mechanism over Pt-BaO/Al <sub>2</sub> O <sub>3</sub> NSR catalysts
11:30	IL-D03	Hong He	People's Republic of China	Selective catalytic reduction of NOx with NH <sub>3</sub> over iron titanate catalyst
Lunch				
Scientific Excursion				

Room A  
Thursday, 7/22

Room B

Room C

Room D

22 (Thu)	Room A	Name	Country	Title of the Abstract	22 (Thu)	Room	Name	Country	Title of the Abstract	22 (Thu)	Room	Name	Country	Title of the Abstract					
<b>Chairperson: K. Nomura</b>					<b>Chairpersons: J. Li A. Satsuma</b>					<b>Chairpersons: L. A. Isupova K. K. Bando</b>					<b>Chairpersons: V. Meeoyo H. Einaga</b>				
9:00	PL-07	Terumori Fujita	Japan	FI Catalysts: Unique Olefin Polymerization Catalysts for the Formation of Value-Added Olefin-Based Materials	10:10	O-B22	Miki Niwa	Japan	Alkaline earth exchanged Y zeolite for cracking of alkane; acidity and activity studied by IRMS-TPD of ammonia and DFT calculation	10:10	O-C22	Hironi Yamashita	Japan	New synthetic route of supported metal nanoparticles using UV light and microwave-excited single-site catalyst as an efficient platform	10:10	O-D22	Masahiko Matsukata	Japan	Hierarchically structured-catalyst for vapor phase Beckmann rearrangement
9:50	Break				10:30	O-B23	Takayuki Komatsu	Japan	Synthesis of trans-stilbene through the hydrogenation of dihydroacetone	10:30	O-C23	Mariska Wolters	Kingdom of the Netherlands	On the dual role of NO in the preparation of highly dispersed SBA-15 supported copper catalysts	10:30	O-D23	Irina L. Simakova	Russian Federation	Novel way of selective camphene synthesis by vapour-phase $\alpha$ -pinene isomerization over nanosized Au
10:10	IL-A05	Jean-Luc Dubois	French Republic	Monomers from Oil Seeds: New routes to Renewable Materials	10:30	O-B24	Hiroyuki Imai	Japan	Methanol-to-Olefins (MTO) reaction over AFI-type zeolites synthesized with various types of organic cations	10:30	O-C24	Naonobu Katada	Japan	Selective detection of dialkyl phthalate by molecular-sieving sensor	10:50	IL-D04	Christopher Hardacre	United Kingdom of Great Britain and Northern Ireland	Selective hydrogenation of acetylene in ethylene-rich feedstocks over novel Pd Ce /Al <sub>2</sub> O <sub>3</sub> catalysts
10:50	IO-A11	Tomokazu Sakamoto	Japan	Study of Pt-free anode catalysts for anion exchange membrane fuel cells	11:10	O-B25	Hiroaki Murata	Japan	Preparation of highly ordered aluminum-planted mesoporous silica catalyst active for Biginelli	11:10	O-C25	Toshiyuki Yokoi	Japan	Synthesis of discrete Ti-containing mesoporous silica nanospheres	11:30	O-D24	Gaik-Khuan Chuah	Republic of Singapore	Gas-phase Oppenauer oxidation of primary alcohols over hydrous zirconia
11:10	IO-A12	Takaji Matsumoto	Japan	An Efficient Synthesis of Chiral Alcohols via Catalytic Hydrogen Reduction of Esters	11:30	O-B26	Jun Huang	Federal Republic of Germany	Tuning Acidity of Zeolites for Desired Reactions Investigated by In-situ MAS NMR Spectroscopy	11:30	IL-C4	Xinhe Bao	People's Republic of China	Catalysis Chemistry of Nano-Confined Systems	11:50	O-D25	Satoshi Sato	Japan	Selective dehydration of long-chain diols to produce unsaturated alcohols
11:30	IO-A13	Yoshimi Okada	Japan	Development of Dehydrogenation Catalyst for Organic Chemical Hydride for the large amount of Hydrogen Storage and Transportation	12:10	Lunch				12:10	Lunch				12:10	Lunch			
11:50	IO-A14	Guanghui Zhu	United States of America	Accelerate Catalyst Studies Using Novel High Throughput Heat Treatment Units	12:10	Lunch				12:10	Lunch				12:10	Lunch			
12:10	Lunch				13:40	O-B28	Hideshi Hattori	Japan	Optimizing preparative conditions for tungstated zirconia modified with platinum as catalyst for Phenylsilane-Modified Zirconia Catalyzed Oligomerization of Ethylene	13:40	O-C26	Tatsumi Ikihara	Japan	Effect of dopant on direct decomposition of NO over Ba <sub>2</sub> Y <sub>2</sub> O <sub>7</sub>	13:40	O-D26	Stefania Specchia	Republic of Italy	Ru-based catalysts for CO Selective Methanation reaction in H <sub>2</sub> -rich gases
<b>Chairpersons: G. Zhu Y. Okada</b>					<b>Chairpersons: J. Huang T. Komatsu</b>					<b>Chairpersons: X. Bao N. Katada</b>					<b>Chairpersons: C. Hardacre M. Shimokawabe</b>				
13:40	IL-A06	Tetsuya Nakano	Japan	Development of Novel Environmentally Benign Aerobic Oxidation Method	14:00	O-B29	Yuzo Imizu	Japan	Phenylsilane-Modified Zirconia Catalyzed Oligomerization of Ethylene	14:00	O-C27	Masato Machida	Japan	Metal-support interaction of thermally stable Rh/AlPO <sub>4</sub> catalyst for NO-CO-C <sub>2</sub> H <sub>4</sub> -O <sub>2</sub> reactions	14:00	O-D27	Hisahiro Einaga	Japan	Catalytic oxidation of benzene with ozone over manganese oxide catalysts supported on zeolite Y
14:20	IO-A15	Junhua Li	Republic of China	Selective catalytic reduction of NO by ammonia over Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> /TiO <sub>2</sub> catalyst	14:20	IL-B04	Shang-Bin Liu	Republic of China (Taiwan)	A novel acidity scale for solid and liquid acids by P-31 NMR chemical shifts of phosphine oxides	14:20	O-C28	Joo Il Park	Japan	Alumina-silica mixed oxide supports and its HDS characteristics in dual catalytic system for gas oil	14:20	O-D28	Shaobin Wang	Australia	Co <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> for heterogeneous oxidation of phenolic contaminants in waste water
14:40	IO-A16	Tatsuya Yoshikawa	Japan	Unsteady state simulation of monolith TWC	15:00	O-B30	Junli Chen	Japan	Synthesis of niobium oxide nanorods and their catalytic alkylation performance	14:40	O-C29	S. Ted Oyama	Japan	Unprecedented Selectivity to the Direct Desulfurization Pathway in a Highly Active FeNi Bimetallic Phosphide Catalyst	14:40	O-D29	Vissanu Meeoyo	Kingdom of Thailand	Catalytic Oxidation of Volatile Organic Compounds over Transition Metal Oxide-doped CeO <sub>2</sub> -ZrO <sub>2</sub> Catalysts
15:00	IO-A17	Fabien Can	French Republic	Role of the alumina surface properties on the ammonia production during the NOx SCR with ethanol over Ag/Al <sub>2</sub> O <sub>3</sub> catalysts	15:20	O-B31	Li-Zhi Tao	People's Republic of China	Gas-phase dehydration of propane polyols over solid acid	15:00	O-C30	Victor Teixeira da Silva	Federative Republic of Brazil	Hydrotreating of sunflower oil using supported molybdenum carbide	15:00	IL-D05	Ho Kyong SHON	Republic of Korea	Preparation and characterization of titanium dioxide produced from Ti-salt flocculated sludge in wastewater treatment
15:20	IO-A18	Hitoshi Saima	Japan	Development of PSA system for the recovery of hydrogen	15:40	Break				15:20	O-C31	Wataru Ninomiya	Japan	An Efficient Acylation of Pyruvate Ester to alpha-keto esters					
15:40	Break				<b>Chairpersons: S.-B. Liu Y. Kamiya</b>					<b>Chairpersons: P. L. Yue A. Muramatsu</b>									
16:00	YO-B06	Kanda Pattamakomsan	Kingdom of Thailand	Selective hydrogenation of 1,3-butadiene over Pd and Pd <sub>2</sub> Sn catalysts supported on different phase of alumina	16:00	YO-C06	Na Ta	People's Republic of China	Influence of CeO <sub>2</sub> morphology on Au nanoparticles for CO oxidation	16:00	YO-C06	Na Ta	People's Republic of China	Influence of CeO <sub>2</sub> morphology on Au nanoparticles for CO oxidation					
16:15	YO-B07	Caio Tagusagawa	Japan	Highly active mesoporous Nb-W oxide solid acid catalyst	16:15	YO-C07	Kohsuke Mori	Japan	Synthesis of functionalized magnetic nanoparticles with core-shell structure and their application as magnetically recoverable nanocatalysts	16:15	YO-C07	Kohsuke Mori	Japan	Synthesis of functionalized magnetic nanoparticles with core-shell structure and their application as magnetically recoverable nanocatalysts					
16:30	YO-B08	Shuichi Koso	Japan	Promoting effect of metal oxide species on hydrolysis of tetrahydrofurfuryl alcohol to 1,5-pentanediol over Rh/SiO <sub>2</sub>	16:30	YO-C08	Hironori Tsunoyama	Japan	On the origin of size specific catalysis of poly(vinylpyrrolidone) stabilized Au clusters for aerobic oxidation reactions	16:30	YO-C08	Hironori Tsunoyama	Japan	On the origin of size specific catalysis of poly(vinylpyrrolidone) stabilized Au clusters for aerobic oxidation reactions					
16:45	YO-B09	Rasika B. Mane	India	Role of promoters in copper chromite catalysts for hydrolysis of glycerol	16:45	YO-C09	Masaaki Kitano	Japan	Preparation of Protonated Titanate Nanotubes and its Application as Efficient Solid Acid Catalyst	16:45	YO-C09	Masaaki Kitano	Japan	Preparation of Protonated Titanate Nanotubes and its Application as Efficient Solid Acid Catalyst					
17:00	YO-B10	Tasuku Komanoya	Japan	Hydrolysis of Cellulose by Carbon-supported Metal Nanoparticles	17:00	YO-C10	Huizhi Bao	People's Republic of China	Shape-dependent reducibility and catalytic activity of Cu <sub>2</sub> O nanoparticles	17:00	YO-C10	Huizhi Bao	People's Republic of China	Shape-dependent reducibility and catalytic activity of Cu <sub>2</sub> O nanoparticles					
17:20	Industrial Session Poster				17:20	Youth Session Poster				17:20	General Session Poster				17:20	General Session Poster			

Room A  
Friday, 7/23

Room B

Room C

Room D

23 (Fri)	Room A	Name	Country	Title of the Abstract
<b>Chairperson: S. Nakamura</b>				
9:00	PL-08	Yoshihito Watanabe	Japan	Molecular design of catalytic reactions in
9:50	Break			
<b>Chairpersons: J. F. Paul S. Sato</b>				
10:10	IO-A19	Osamu Okada	Japan	Development of Advanced Catalysts for CO Converter Equipped with a CO <sub>2</sub> Selective Membrane
10:30	IO-A20	Yonggun Shul	Republic of Korea	New MXDA(m-xylene)diamine) process
10:50	IO-A21	Jung Han Ryu	Republic of Korea	Effect of zirconium containing MC catalysts on liquid phase oxidation of p-xylene
<b>Chairpersons: H. H. Goguet M. Otake</b>				
11:10	IO-A22	Jan C van der Waal	Kingdom of the Netherlands	Parallel Fixed-bed Technology in Catalysis Research. An Engineering Perspective
11:30	IO-A23	Jean Francois Lamontier	French Republic	Influence of the meso-macroporous ZrO <sub>2</sub> -TiO <sub>2</sub> calcination temperature on the pre-reduced Pd/ZrO <sub>2</sub> -TiO <sub>2</sub> (1/1) performances in chlorobenzene total
11:50	IO-A24	Guizhen Zhang	Republic of China	High active three-dimensional ordered macroporous potassium-doped Ce-Zr solid solutions for diesel
12:10	Lunch			
<b>Chairpersons: J. H. Ryu S. Suzuki</b>				
13:40	IL-A07	Philippe Sautet	French Republic	Nature of active sites and reaction mechanisms in heterogeneous catalysis by metals: A view from first principle calculations
14:20	O-A16	Zhiming Liu	Republic of China	Density functional theory study of NOx adsorption on Al <sub>2</sub> O <sub>3</sub> and Ga-modified Al <sub>2</sub> O <sub>3</sub> surfaces
14:40	O-A17	Jean-Francois Paul	French Republic	Nature of the active site in selective oxydation
15:00	Break			
<b>Chairpersons: Z. Tian</b>				
15:20	O-B37	Ye Wang	People's Republic of China	Highly selective Fischer-Tropsch catalysts based on modified carbon nanotube and zeolite supports
15:40	O-B38	Mark Saeyns	Republic of Singapore	First principle based study of the Fischer-Tropsch Synthesis mechanism
16:00	O-B39	Kohei Urasaki	Japan	Selective methanation of CO in the reformate gas Ni/TiO <sub>2</sub> catalyst
16:20	O-B40	Kenji Asami	Japan	Development of precipitated iron-support complex catalysts for Fischer-Tropsch synthesis in the low pressure BTL process
16:40	O-B41	Wolfgang F. Hoelderich	Federal Republic of Germany	New rare earth oxide catalysts for the transesterification of triglycerides with methanol resulting in biodiesel and pure glycerol
17:00	O-B42	Naohiro Shimoda	Japan	Steam reforming of dimethyl ether over the composite catalyst of Co-Fe spinel and alumina: effect of heat treatment and mixing method on
18:00	Banquet			

23 (Fri)	Room	Name	Country	Title of the Abstract
<b>Chairpersons: H. He Y. Imizu</b>				
10:10	YO-B11	Qiang Gao	United States of America	The Effect of Ni Promoter and Chelating Reagent for the Preparation of Highly Active Ni-MoS <sub>2</sub> /g-Al <sub>2</sub> O <sub>3</sub> HDS Catalysts
10:25	YO-B12	Nobutaka Maeda	Republic of Italy	Simultaneous monitoring of gas and surface species during NOx storage-reduction by in situ polarization-modulation infrared reflection-absorption
10:40	YO-B13	Jong Suk Yoo	Republic of Korea	Enhanced CO tolerance of Pt <sub>1.0</sub> -Ru <sub>1.0</sub> /Sn <sub>0.7</sub> /C electrocatalysts prepared by the selective deposition of Sn on the surfaces of Pt and Ru
10:55	YO-B14	Tepei Ogura	Japan	Density Functional Theory Study of Sulfur Poisoning in Solid Oxide Fuel Cells: Role of Surface Subsurface Sulfur Atoms
<b>Chairpersons: A. Goguet M. Otake</b>				
11:10	O-B32	Zhiqun Tian	Republic of Singapore	Synthesis of Pt catalyst on vertically aligned carbon nanotubes (VACNTs) film for PEM fuel cells application
11:30	O-B33	Hyun Tae Kim	Republic of Korea	Performance of Sn-promoted Pt/C and PtRu/C catalysts prepared by the chemical vapor deposition of Sn as an anode of PEM fuel cell
11:50	O-B34	Weon-Doo Lee	Republic of Korea	Synthesis of size-controlled Co <sub>2</sub> Zr <sub>0.5</sub> O <sub>4</sub> nanoparticles in Pt/Co <sub>2</sub> Zr <sub>0.5</sub> O <sub>4</sub> -C electrocatalyst for
12:10	Lunch			
<b>Chairpersons: Y. Wang K. Asami</b>				
13:40	O-B35	Alexandre Goguet	United Kingdom of Great Britain and Northern	Study of Au/CeZrO <sub>2</sub> catalysts for the low temperature Water Gas Shift reaction; identification of the active Au species through deactivation studies
14:00	O-B36	Toshihiro Miyao	Japan	Kinetic and mechanistic studies of selective methanation of CO in hydrogen-rich gases over Ru-modified Ni-Al mixed oxide catalyst
14:20	IL-B05	Masayuki Otake	Japan	Synthesis gas route for catalytic conversion to basic chemicals
15:00	Break			
<b>Chairpersons: S. Jaenicke</b>				
15:20	O-C37	Kyoko K. Bando	Japan	Pt-like Behavior of Cyanide-Treated Au/Ts-1
15:40	O-C38	Zhanggen Huang	People's Republic of China	Mechanism of SO <sub>2</sub> promoting de-NOx over V <sub>2</sub> O <sub>5</sub> /AC Catalyst
16:00	O-C39	Wei-Zheng Weng	People's Republic of China	Mechanistic aspects of methane partial oxidation to syngas over Pt/Al <sub>2</sub> O <sub>3</sub> , Rh/SiO <sub>2</sub> and Ir/SiO <sub>2</sub> catalysts
16:20	O-C40	Evgenii Kondratenko	Federal Republic of Germany	Time-resolved in-situ UV/Vis spectroscopy for analyzing the dynamics of surface and bulk redox processes in materials used as oxygen storage
16:40	O-C41	Marco Daturi	French Republic	Site poisoning of a commercial NOx SCR-material by unburnt HC: an operando IR study
17:00	O-C42	Shushi Suzuki	Japan	Immobilization of Gold Nanoparticles Sputter-Deposited in Ionic Liquids on TiO <sub>2</sub> (110) Surfaces
18:00	Banquet			

23 (Fri)	Room	Name	Country	Title of the Abstract
<b>Chairpersons: H. K. Shon T. Tago</b>				
10:10	YO-C11	Nicolas Bion	French Republic	Sulfonic acid functionalized crystal like mesoporous benzene silica as a remarkable water tolerant catalyst
10:25	YO-C12	Feng T. Fan	People's Republic of China	UV Raman spectroscopic studies on zeolite assembly mechanisms
10:40	YO-C13	In Young Ahn	Republic of Korea	Performance of Pt-Sn catalysts supported on Al-modified MCM-41 for dehydrogenation of propane combined with selective hydrogen combustion
10:55	YO-C14	Qiang Wang	Republic of Singapore	Structural evolution of Mg-M-CO <sub>3</sub> (M = Al <sup>3+</sup> , Fe <sup>3+</sup> , Ga <sup>3+</sup> , Mn <sup>3+</sup> ) layered double hydroxides and their performance as high temperature CO <sub>2</sub> adsorbents
<b>Chairpersons: E. Kondratenko K. Hara</b>				
11:10	IL-C05	Kotohiro Nomura	Japan	Design of (imido)vanadium complex catalysts for olefin insertion/metathesis reactions; Notable ligand effect for ethylene oligomerization/polymerization
11:50	O-C32	Takeshi Shiono	Japan	Highly Active Living Random Copolymerization of Norbornene and 1-Alkene with ansa-
12:10	Lunch			
<b>Chairpersons: M. Daturi T. Shiono</b>				
13:40	O-C33	Il Kim	Republic of Korea	Tuning of activity and induction period of propylene oxide polymerizations catalyzed by double metal cyanide complexes for commercialization
14:00	O-C34	Hiroaki SASAI	Japan	Enantioselective Pd(II)/Pd(IV) Catalysis Using Spiro Bis(isoaxazoline) Ligand
14:20	O-C35	Stephan Jaenicke	Republic of Singapore	Engineered Biofilms for Chiral Reduction in a Microchannel Reactor
14:40	O-C36	Ngoc Thuan Le	Republic of Korea	Aerobic granular as a biocatalyst for the mineralization of phenol
15:00	Break			
<b>Chairpersons: L. L. Simakova</b>				
15:20	IL-D6	Masahiro Terada	Japan	Chiral Phosphoric Acids as Versatile Catalysts for Enantioselective Carbon-Carbon Bond Forming Reactions
16:00	O-D40	Yoshiyuki Tanaka	Japan	Development of Extremely Highly Regioselective and Thermally Stable Hydroformylation Catalysts
16:20	O-D41	Kazu Okumura	Japan	Atomic Pd loaded on USY zeolites highly active in the Suzuki-Miyaura reactions
16:40	O-D42	S. David Jackson	United Kingdom of Great Britain and Northern	Understanding how to Specify Stereochemistry and Enhance Selectivity and Activity in Liquid Phase Hydrogenations
17:00	O-D43	Jinling He	Japan	Synthetic scope of symmetrically substituted tertiary and secondary amines from alcohols and urea by a supported ruthenium hydrosulfide catalyst
18:00	Banquet			

23 (Fri)	Room	Name	Country	Title of the Abstract
<b>Chairpersons: S. I. Woo T. Masui</b>				
10:10	O-D30	Fabio B. Noronha	Federative Republic of Brazil	The effect of the support reducibility on the stability of the Co/CeO <sub>2</sub> catalyst for the oxidative steam reforming of ethanol
10:30	O-D31	Noritatsu Tsubaki	Japan	A New Method of Ethanol Synthesis from dimethyl ether and syngas over the combined modified zeolite and metallic catalyst
10:50	O-D32	Yannick Pouilloux	French Republic	Synthesis of peroxophosphotungstate immobilized onto polymeric support as heterogeneous catalyst for the epoxidation of unsaturated fatty esters
11:10	O-D33	Haruro Ishitani	Japan	Copper-planted Mesoporous Silica Modified with Chiral Organic Molecule as a Catalyst for Heterogeneous Enantioselective Cyclopropanation
11:30	O-D34	Ken-ichi Shimizu	Japan	Size- and Support-Dependent Silver Cluster Catalysis for Selective Hydrogenation of Nitroaromatics
11:50	O-D35	Mangpanbath D. Manju	Republic of Korea	Synthesis of cyclic carbonate through microwave irradiation using silica supported ionic liquids : Effect
12:10	Lunch			
<b>Chairpersons: Y. Pouilloux H. Ishitani</b>				
13:40	O-D36	Nobutaka Yamaguchi	Japan	Effect of reduction treatment on CO oxidation over Pt/SnO <sub>2</sub> catalyst system
14:00	O-D37	Toshiyuki Masui	Japan	Carbon Monoxide Oxidation at Room Temperature on Pt/CeO <sub>2</sub> -ZrO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> Catalysts
14:20	O-D38	Seong Ihi Woo	Republic of Korea	Highly stable bifunctional Ni/WC for dry reforming of CH <sub>4</sub>
14:40	O-D39	Keigo Kamata	Japan	Efficient activation of alkynes by a monomeric dicopper-substituted silicotungstate
15:00	Break			