

Sunday, 7/18

Room A

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

Monday, 7/19**Room A**

19 (Mon)	Room A	Name	Country	Title of the Abstract
Chairperson: W. Ueda				
9:40	PL-02	Charles T.Campbell	United States of America	Surface science studies in catalysis: mechanisms, microkinetics, thermodynamics and materials
10:30	Break			
Chairpersons: F.J. Cadete Santos Aires K. Asakura				
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 Republic	Identification of the active species in the working alumina-supported cobalt catalysts under various conditions of Fischer-Tropsch synthesis
11:50	O-A02	Juliette Blanchard	French	MoS _x /TiO ₂ /SBA-15 as model hydrodesulfurization
12:10	Lunch			
Chairperson: A. Fukuoka				
13:30	PL-03	Noritaka Mizuno	Japan	Molecular design of polyoxometalate-based compounds for environmentally-friendly functional group transformations -From molecular catalysts to heterogeneous catalysts-
14:20	Break			
Chairpersons: M. Capron S. Takakusagi				
14:40	O-A03	Weixin Huang	Republic of China	Oxygen vacancy-controlled reactivity of surface hydroxyls on monolayer FeO(111) film and FeO(111) islands grown on a Pt(111) substrate
15:00	O-A04	Francisco J.Cadete Santos Aires	French Republic	Study of the evolution of catalytic surfaces during reaction: Pd ₇₀ Au ₃₀ (110) under realistic conditions of CO, O ₂ and CO+O ₂
15:20	O-A05	Junji Nakamura	Japan	Electronic states of graphite surface modified by defects
15:40	O-A06	Syed Mohammad Fakruddin Shahed	Japan	STM observation of the CeO ₂ (111) surface reduction by H ₂
16:00	Break			
Chairpersons: K. P. de Jong S. Ted Oyama				
16:20	O-A07	Edwin P. Boldingh	United States of America	Al re-insertion in steamed MFI zeolite and its effect on cracking activity
16:40	O-A08	Masashi Tanaka	Japan	Structures of copper species in mesoporous silica and their catalytic activity for cyclopropanation reaction
17:00	O-A09	Mickael Capron	French Republic	Supported rhenium-based catalysts used for methanol partial oxidation
17:40	General Session Poster			

Monday, 7/19**Room B**

19 (Mon)	Room B	Name	Country	Title of the Abstract
Chairpersons: H.He H. Yoshida				
10:50	O-B01	Ryu Abe	Japan	Robust dye-sensitized overall water splitting system with two-step photoexcitation of organic dyes and metal oxide semiconductors
11:10	O-B02	Hiroshi Onishi	Japan	Photoinduced charge carrier dynamics of doped photocatalysts
11:30	O-B03	Jae Sung Lee	Republic of Korea	Heterojunctioned Semiconductor Photocatalysts for Enhanced Water Splitting
11:50	O-B04	Keita Ikeue	Japan	Mn-based composite sulfides as an efficient and stable visible-light-driven photocatalyst for H ₂ evolution
12:10	Lunch			
14:20	Break			
Chairpersons: J. S. Lee R. Abe				
14:40	O-B05	Hisayoshi Kobayashi	Japan	Electronic structures of GaN: ZnO photocatalysts by DFT calculations
15:00	O-B06	Stanislaw Dzwigaj Dzwigaj	French Republic	The Design of Ti-Single site Catalysts for their Application in Photocatalysis
15:20	IL-B01	Adesoji A. Adesina	Australia	Design of doped-titania photocatalysts: UV and visible-light photomineralization studies of representative
16:00	Break			
Chairpersons: S. Dzwigaj H. Onishi				
16:20	O-B07	Bunsho Ohtani	Japan	Highly active titania photocatalyst particles of controlled crystal phase, size, and polyhedral shapes
16:40	O-B08	Hisao Yoshida	Japan	Photocatalytic reduction of carbon dioxide by methane over gallium oxide
17:00	O-B09	Kentaro Teramura	Japan	Photocatalytic Aerobic Epoxidation of Alkenes under Visible Light Irradiation by an Iron(III) Porphyrin with Mg-Al Hydrotalcite Anionic Clay
17:40	General Session Poster			

Monday, 7/19**Room C**

19 (Mon)	Room C	Name	Country	Title of the Abstract
Chairpersons: G. L. Haller S. Naito				
10:50	O-C01	Andrea Beck	Republic of Hungary	Anomalous behaviour of different allotropic forms of titania in Au/TiO ₂ catalysts
11:10	O-C02	Weijie Ji	People's Republic of China	Core@shell-structured cobalt nanoparticles for the generation of CO _x -free hydrogen via ammonia decomposition
11:30	IL-C01	Wenjie Shen	People's Republic of China	Morphology-dependent Nanocatalysis: Metal oxides
12:10	Lunch			
14:20	Break			
Chairpersons: W. Ji T. Shishido				
14:40	O-C03	Peter Sazama	The Czech Republic	Geopolymer based catalysts. A new group of catalytic materials
15:00	O-C04	Haiqiang Lin	People's Republic of China	Highly stable boric oxide doped Cu-SiO ₂ catalyst for hydrogenation of dimethyl oxalate to ethylene glycol
15:20	O-C05	Gabriele Centi	Republic of Italy	Role of the membrane nanostructure on the carbon and oxygen diffusion through the Pd-Ag thin films and
15:40	O-C06	Galina Kovalenko	Russian Federation	Synthesis of catalytic filamentous carbon (CFC) on inorganic supports and application of these composite CFC-containing adsorbents in biocatalysis
16:00	Break			
Chairpersons: G. Centi J. Nakamura				
16:20	O-C07	Gary L. Haller	United States of America	Nano-Oxide/Carbon-Nanotube Composites as Catalysts or Catalyst Supports
16:40	IL-C02	Po L. Yue	Hong Kong	Synthesis and Catalytic Applications of Exfoliated CNT/metal/clay Nanocomposites
17:40	General Session Poster			

Monday, 7/19**Room D**

19 (Mon)	Room D	Name	Country	Title of the Abstract
Chairpersons: E. J. M. Hensen K. Tomishige				
10:50	O-D01	Katsuhiro 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 Biomass by Sulfonated Allophane
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
12:10	Lunch			
14:20	Break			
Chairpersons: J. Faye K. Hara				
14:40	IL-D01	Keiichi Tomishige	Japan	Catalyst development for the hydrogenolysis of biomass-derived chemicals
15:20	O-D05	Emiel J.M. Hensen	Kingdom of the Netherlands	Glucose isomerization by transient Cr ²⁺ dimers
15:40	O-D06	Aiqin Wang	People's Republic of China	Highly Dispersed Metal-Promoted Tungsten Carbide as Efficient Catalysts for Direct Cellulose Conversion into Ethylene Glycol
16:00	Break			
Chairpersons: F. Dumeignil K. Akiyama				
16:20	O-D07	Yun Hin Taufiq-Yap	Malaysia	Transesterification of non-edible Jatropha Curcas oil to biodiesel by solid base metal and mixed metal oxide
16:40	O-D08	K Seshan	Kingdom of the Netherlands	Catalytic pyrolysis of microalgae to quality liquid bio-fuels
17:00	O-D09	Jeremy Faye	French Republic	Supported oxomolybdates species for the methanol to dimethoxymethane oxidation reaction
17:40	General Session Poster			

Tuesday, 7/20

Room A

20 (Tue)	Room A	Name	Country	Title of the Abstract
Chairperson: M. Iwamoto				
9:00	PL-04	Johannes A. Lercher	Federal Republic of Germany	Hydrocarbon transport, activation and catalytic conversion in confined spaces
9:50	Break			
Chairpersons: D. Hancu K. Okumura				
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 ₂ S], for Chemoselective Hydrogenation
11:50	IO-A04	Kazuhiro Inamura	Japan	Development of zeolite hydrocracking catalyst and system for resid hydrodesulfurization unit
12:10	Lunch			
Chairperson: T. Ishihara				
13:30	PL-05	Lakshmi Kantam Mannepalli	India	Recent developments on catalytic applications of nano-Crystalline metal oxides
14:20	Break			
Chairpersons: R. Buzzoni H. Hamada				
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 N ₂ O from sewage sludge
16:00	Break			
16:20	Poster Review in Industrial Session			
17:40	Industrial Session Poster			

Tuesday, 7/20

Room B

20 (Tue)	Room B	Name	Country	Title of the Abstract
Chairpersons: J. M. Basset I. Yamanaka				
10:10	O-B10	Yong Li	Republic of China	Morphology-dependent Catalysis of Co_3O_4 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	Jinzhe 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 $\text{Rh/Ce}_{0.5}\text{Zr}_{0.5}\text{O}_2$ Reduced under Mild Conditions
12:10	Lunch			
Chairpersons: J. A. Lercher K. Eguchi				
14:40	O-B14	Ichiro Yamanaka	Japan	Catalytic neutral hydrogen peroxide synthesis from O_2 and H_2 by PEMFC
15:00	O-B15	Kenji Hara	Japan	Preparation and Catalysis of Densely Packed Monolayer of Transition Metal Phosphine and Isocyanide on Au
15:20	O-B16	Kohei Shigeta	Japan	Pd-Au Bimetal Catalyst Supported on Rutile- TiO_2 for H_2O_2 Synthesis by Direct Oxidation of H_2
15:40	O-B17	Guohui Yang	Japan	A novel tri-part zeolite capsule catalyst with Core/Shell/Paint structure for isoparaffin direct
16:00	Break			
Chairpersons: A. A. Adesina H. Yahiro				
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 Norway	In-situ reduction of cobalt oxide supported on alumina in an environmental transmission electron microscope
16:50	YO-B03	Heon Jung	Republic of Korea	The role of ZrO_2 in $\text{Cu/ZnO/Al}_2\text{O}_3$ catalysts in Methanol Synthesis
17:05	YO-B04	Leyla Kapokova	Russian Federation	Dry reforming of methane over $\text{LnFe}_{0.7}\text{Ni}_{0.3}\text{O}_3$ perovskites and their composites with Gd-doped ceria: influence of Ln nature
17:20	YO-B05	Kazuhiko Maeda	Japan	Hexaniobate nanoscrolls as building blocks for dye-sensitized hydrogen production from water under visible
17:40	Youth Session Poster			

Tuesday, 7/20

Room C

20 (Tue)	Room C	Name	Country	Title of the Abstract
Chairpersons: J. Wang K. Asakura				
10:10	O-C08	Tatsuya Tsukuda	Japan	Efficient and selective epoxidation of styrene with TBHP catalyzed by Au ₂₅ 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
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
12:10	Lunch			
14:20	Break			
Chairpersons: Y. Lu R. Kikuchi				
14:40	O-C12	Junhu Wang	People's Republic of China	Novel Ru-fluoridated apatite catalyst with nano-rod morphology for highly efficient aerobic oxidation of alcohols
15:00	O-C13	Yozhu Yuan	People's Republic of Bangladesh	Enhanced performance of Ru nanoparticles confined in carbon nanotube for CO preferential oxidation in H ₂ stream
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 catalysts with well-shaped palladium nanoparticles
16:00	Break			
Chairpersons: S.-E. Park M. Sadakane				
16:20	YO-C01	Yuji Kikukawa	Japan	Synthesis of a Novel Dialuminum-Substituted Silicotungstate and the Diastereoselective Cyclization of
16:35	YO-C02	Shih-Yuan Chen	Republic of China (Taiwan)	Pinacol-type rearrangement catalyzed by Zr-incorporated SBA-15
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 ₂ -DMA Catalyst System
17:20	YO-C05	Satoshi Muratsugu	Japan	Design of a Molecularly-Imprinted Ru Catalyst for Regio- and Shape-Selective Epoxidation of Terminal

Tuesday, 7/20

Room D

20 (Tue)	Room D	Name	Country	Title of the Abstract
Chairpersons: P. Granger S. Takakusagi				
10:10	O-D10	David Chadwick	United Kingdom of Great Britain and Northern	Selective oxidation of alcohols and polyols with H ₂ O ₂ and air
10:30	O-D11	Mizuki Tada	Japan	Direct Phenol Synthesis from Benzene and O ₂ on Re-Pt/ZSM-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 _x -species under oxygen-lean conditions
11:50	O-D15	Mikhail Yu. Sinev	Russian Federation	Oxidative Coupling of Methane: redox catalysis over non-reducible oxides
12:10	Lunch			
14:20	Break			
Chairpersons: D. Chadwick M. Tada				
14:40	O-D16	Dumeignil Franck	France	Selective oxidation of methanol over FeMo-based catalysts: Different behavior as a function of feed
15:00	O-D17	Yoshinao Nakagawa	Japan	Hydrogenolysis of Glycerol into 1,3-Propanediol over Rhenium-modified Iridium Catalyst
15:20	IL-D02	Masatake Haruta	Japan	Oxidation of ethanol to acetaldehyde and acetic acid by supported gold catalysts
16:00	Break			
17:40	General Session Poster			

Wednesday, 7/21**Room A**

21(Wed)	Room A	Name	Country	Title of the Abstract
Chairperson: K. Asakura				
9:00	PL-06	Jean Marie Basset	French Republic	Single Site Catalysis via Surface Organometallic Chemistry: A Predictive Approach of Heterogeneous Catalysis
9:50	Break			
Chairpersons: J. L. Dubois K. Inamura				
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 Metallosilicate Catalyst
12:10	Lunch			
12:30	Scientific Excursion			

Wednesday, 7/21**Room B**

21(Wed)	Room B	Name	Country	Title of the Abstract
Chairpersons: V. Teixeira da Silva M. Matsukata				
10:10	O-B18	Thomas Maschmeyer	Australia	Syntheses of MoS ₂ Nanostructures in Ionic Liquid Media and their Application as Hydrogen Evolution Reaction Electrocatalysts
10:30	O-B19	Dorothee Laurenti	French Republic	Hydrodeoxygenation of guaiacol 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
12:10	Lunch			
12:30	Scientific Excursion			

Wednesday, 7/21**Room C**

21(Wed)	RoomC	Name	Country	Title of the Abstract
Chairpersons: Y. Yuan M. Haruta				
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 Great Britain and Northern	New Nanocrystalline CuMnOx Catalysts Prepared from Supercritical Antisolvent Precipitation
11:30	O-C20	Daniel Duprez	French Republic	In-situ autocombustion 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
12:10	Lunch			
12:30	Scientific Excursion			

Wednesday, 7/21**Room D**

21 (Wed)	Room D	Name	Country	Title of the Abstract
Chairpersons: Z. Liu T. Namba				
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	Pyung Soon Kim	Republic of Korea	Selective catalytic reduction of NO by monoethanolamine over Ag/Al ₂ O ₃ catalyst
10:50	O-D20	Masahide Shimokawabe	Japan	SCR of NO by DME over Al ₂ O ₃ 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 ₂ O ₃ NSR catalysts
11:30	IL-D03	Hong He	People's Republic of China	Selective catalytic reduction of NO _x with NH ₃ over iron titanate catalyst
12:10	Lunch			
12:30	Scientific Excursion			

Thursday, 7/22

Room A

22 (Thu)	Room A	Name	Country	Title of the Abstract
Chairperson: K. Nomura				
9:00	PL-07	Terunori Fujita	Japan	FI Catalysts: Unique Olefin Polymerization Catalysis for the Formation of Value-Added Olefin-Based Materials
9:50	Break			
Chairpersons: J. Li A. Satsuma				
10:10	IL-A05	Jean-Luc Dubois	French Republic	Monomers from Oil Seeds: New routes to Renewable Materials
10:50	IO-A11	Tomokazu Sakamoto	Japan	Study of Pt-free anode catalysts for anion exchange membrane fuel cells
11:10	IO-A12	Takaji Matsumoto	Japan	An Efficient Synthesis of Chiral Alcohols via Catalytic Hydrogen Reduction of Esters
11:30	IO-A13	Yoshimi Okada	Japan	Development of Dehydrogenation Catalyst for Organic Chemical Hydride for the large amount of Hydrogen Storage and Transportation
11:50	IO-A14	Guanghai Zhu	United States of America	Accelerate Catalyst Studies Using Novel High Throughput Heat Treatment Units
12:10	Lunch			
Chairpersons: G. Zhu Y. Okada				
13:40	IL-A06	Tetsuya Nakano	Japan	Development of Novel Environmentally Benign Aerobic Oxidation Method
14:20	IO-A15	Junhua Li	Republic of China	Selective catalytic reduction of NO by ammonia over Fe ₂ (SO ₄) ₃ /TiO ₂ catalyst
14:40	IO-A16	Tatsuya Yoshikawa	Japan	Unsteady state simulation of monolith TWC
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 ₂ O ₃ catalysts
15:20	IO-A18	Hitoshi Saima	Japan	Development of PSA system for the recovery of Carbon Dioxide and Carbon Monoxide from Blast Furnace Gas in Steel Works
15:40	Break			
15:20	Poster Review in Industrial Session			
15:20	Industrial Session Poster			

Thursday, 7/22

Room B

22 (Thu)	Room B	Name	Country	Title of the Abstract
Chairpersons: P. Sautet H. Hattori				
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
10:30	O-B23	Takayuki Komatsu	Japan	Synthesis of trans-stilbene through the hydrogenation of diphenylacetylene
10:50	O-B24	Hioryuki Imai	Japan	Methanol-to-Olefins (MTO) reaction over AFI-type zeolites synthesized with various types of organic
11:10	O-B25	Hiroaki Murata	Japan	Preparation of highly ordered aluminum-planted mesoporous silica catalyst active for Biginelli reaction
11:30	O-B26	Jun Huang	Federal Republic of	Tuning Acidity of Zeolites for Desired Reactions Investigated by In-situ MAS NMR Spectroscopy
11:50	O-B27	Yoshiyuki Ogasawara	Japan	Tin-tungsten mixed oxide as a catalyst for C-C bond-forming reactions
12:10	Lunch			
Chairpersons: J. Huang T. Komatsu				
13:40	O-B28	Hideshi Hattori	Japan	Optimizing preparative conditions for tungstated zirconia modified with platinum as catalyst for heptane
14:00	O-B29	Yuzo Imizu	Japan	Phenylsilane-Modified Zirconia Catalyzed Oligomerization of Ethylene
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
15:00	O-B30	Junli Chen	Japan	Synthesis of niobium oxide nanorods and their catalytic alkylation performance
15:20	O-B31	Li-Zhi Tao	People's Republic of China	Gas-phase dehydration of propane polyols over solid acid-base catalysts
15:40	Break			
Chairpersons: S.-B. Liu Y. Kamiya				
16:00	YO-B06	Kanda Pattamakomsan	Kingdom of Thailand	Selective hydrogenation of 1,3-butadiene over Pd and Pd ₃ Sn catalysts supported on different phase of alumina
16:15	YO-B07	Caio Tagusagawa	Japan	Highly active mesoporous Nb-W oxide solid acid
16:30	YO-B08	Shuichi Koso	Japan	Promoting effect of metal oxide species on hydrogenolysis of tetrahydrofurfuryl alcohol to 1,5-
16:45	YO-B09	Rasika B. Mane	India	Role of promoters in copper chromite catalysts for hydrogenolysis of glycerol
17:00	YO-B10	Tasuku Komanoya	Japan	Hydrolysis of Cellulose by Carbon-supported Metal Catalysts
17:20	Youth Session Poster			

Thursday, 7/22

Room C

22 (Thu)	Room C	Name	Country	Title of the Abstract
Chairpersons: L. A. Isupova K. K. Bando				
10:10	O-C22	Hiroimi Yamashita	Japan	New synthetic route of supported metal nanoparticles using UV light and microwave-excited single-site catalyst as an efficient platform
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
10:50	O-C24	Naonobu Katada	Japan	Selective detection of dialkyl phthalate by molecular-sieving sensor
11:10	O-C25	Toshiyuki Yokoi	Japan	Synthesis of discrete Ti-containing mesoporous silica nanospheres
11:30	IL-C4	Xinhe Bao	People's Republic of China	Catalysis Chemistry of Nano-Confined Systems
12:10	Lunch			
Chairpersons: X. Bao N. Katada				
13:40	O-C26	Tatsumi Ishihara	Japan	Effect of dopant on direct decomposition of NO over Ba ₃ Y ₄ O ₉
14:00	O-C27	Masato Machida	Japan	Metal-support interaction of thermally stable Rh/AlPO ₄ catalyst for NO-CO-C ₃ H ₆ -O ₂ reactions
14:20	O-C28	Joo Il Park	Japan	Alumina-silica mixed oxide supports and its HDS characteristics in dual catalytic system for gas oil
14:40	O-C29	S. Ted Oyama	Japan	Unprecedented Selectivity to the Direct Desulfurization Pathway in a Highly Active FeNi Bimetallic Phosphide Catalyst
15:00	O-C30	Victor Teixeira da Silva	Federative Republic of Brazil	Hydrotreating of sunflower oil using supported molybdenum carbide
15:20	O-C31	Wataru Ninomiya	Japan	An Efficient Acylation of Pyruvate Ester to alpha-Acyloxycrylate Ester Catalyzed by Heteropoly
15:40	Break			
Chairpersons: P. L. Yue A. Muramatsu				
16:00	YO-C06	Na Ta	People's Republic of China	Influence of CeO ₂ morphology on Au nanoparticles for CO oxidation
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-C08	Hironori Tsunoyama	Japan	On the origin of size specific catalysis of poly(vinylpyrrolidone) stabilized Au clusters for aerobic oxidation reactions
16:45	YO-C09	Masaaki Kitano	Japan	Preparation of Protonated Titanate Nanotubes and Its Application as Efficient Solid Acid Catalyst
17:00	YO-C10	Huizhi Bao	People's Republic of China	Shape-dependent reducibility and catalytic activity of cuprous oxide nanocrystals

Thursday, 7/22

Room D

22 (Thu)	Room D	Name	Country	Title of the Abstract
Chairpersons: V. Meeyoo H. Einaga				
10:10	O-D22	Masahiko Matsukata	Japan	Hierarchically structured-catalyst for vapor phase Beckmann rearrangement
10:30	O-D23	Irina L. Simakova	Russian Federation	Novel way of selective camphene synthesis by vapour-phase α -pinene isomerization over nanosized Au catalyst
10:50	IL-D04	Christopher Hardacre	United Kingdom of Great Britain and Northern	Selective hydrogenation of acetylene in ethylene-rich feedstocks over novel Pd Ce /Al ₂ O ₃ catalysts
11:30	O-D24	Gaik-Khuan Chuah	Republic of Singapore	Gas-phase Oppenauer oxidation of primary alcohols over hydrous zirconia
11:50	O-D25	Satoshi Sato	Japan	Selective dehydration of long-chain diols to produce unsaturated alcohols
12:10	Lunch			
Chairpersons: C. Hardacre M. Shimokawabe				
13:40	O-D26	Stefania Specchia	Republic of Italy	Ru-based catalysts for CO Selective Methanation reaction in H ₂ -rich gases
14:00	O-D27	Hisahiro Einaga	Japan	Catalytic oxidation of benzene with ozone over manganese oxide catalysts supported on zeolite Y
14:20	O-D28	Shaobin Wang	Australia	Co ₂ O ₃ /SiO ₂ for heterogeneous oxidation of phenolic contaminants in waste water
14:40	O-D29	Vissanu Meeyoo	Kingdom of Thailand	Catalytic Oxidation of Volatile Organic Compounds over Transition Metal Oxide-doped CeO ₂ -ZrO ₂
15:00	IL-D05	Ho Kyong SHON	Republic of Korea	Preparation and characterization of titanium dioxide produced from Ti-salt flocculated sludge in wastewater
15:40	Break			
17:20	General Session Poster			

Friday, 7/23

Room A

23 (Fri)	Room A	Name	Country	Title of the Abstract
Chairperson: S. Nakamura				
9:00	PL-08	Yoshihito Watanabe	Japan	Molecular design of catalytic reactions in proteins
9:50	Break			
Chairpersons: J. F. Paul S. Sato				
10:10	IO-A19	Osamu Okada	Japan	Development of Advanced Catalysts for CO Converter Equipped with a CO ₂ Selective Membrane
10:30	IO-A20	Yonggun Shul	Republic of Korea	New MXDA(m-xylylenediamine) process
10:50	IO-A21	Jung Han Ryu	Republic of Korea	Effect of zirconium containing MC catalysts on liquid phase oxidation of p-xylene
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 Lamonier	French Republic	Influence of the meso-macroporous ZrO ₂ -TiO ₂ calcination temperature on the pre-reduced Pd/ ZrO ₂ -TiO ₂ (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 soot combustion
12:10	Lunch			
Chairpersons: J. H. Ryu S. Suzuki				
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 ₂ O ₃ and Ga-modified Al ₂ O ₃ surfaces
14:40	O-A17	Jean-Francois Paul	French	Nature of the active site in selective oxydation
15:00	Break			
18:00	Banquet			

Friday, 7/23

Room B

23 (Fri)	Room B	Name	Country	Title of the Abstract
Chairpersons: H. He Y. Imizu				
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 ₂ /g-Al ₂ O ₃ HDS Catalysts
10:25	YO-B12	Nobutaka Maeda	Republic of Italy	Simultaneous monitoring of gas and surface species during NO _x storage-reduction by in situ polarization-modulation infrared reflection-absorption spectroscopy
10:40	YO-B13	Jong Suk Yoo	Republic of Korea	Enhanced CO tolerance of Pt _(1.0) -Ru _(1.0-y) -Sn _(y) /C electrocatalysts prepared by the selective deposition of Sn on the surfaces of Pt and Ru
10:55	YO-B14	Teppey Ogura	Japan	Density Functional Theory Study of Sulfur Poisoning in Solid Oxide Fuel Cells: Role of Surface Subsurface Sulfur Atoms
Chairpersons: A. Goguet M. Otake				
11:10	O-B32	Zhiqun Tian	Republic of Singapore	Synthesis of Pt catalyst on vertically aligned carbon nanotubes (VACNTs) film for PEM fuel cells
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 Ce _{0.5} Zr _{0.5} O ₂ nanoparticles in Pt/Ce _{0.5} Zr _{0.5} O ₂ -C electrocatalyst for low-temperature fuel cell and its effect on the performance
12:10	Lunch			
Chairpersons: Y. Wang K. Asami				
13:40	O-B35	Alexandre Goguet	United Kingdom of Great Britain and Northern	Study of Au/CeZrO ₄ 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			
Chairpersons: Z. Tian T. Miyao				
15:20	O-B37	Ye Wang	People's Republic of China	Highly selective Fischer-Tropsch catalysts based on modified carbon nanotube and zeolite supports