

EUROPACAT- VIII, scientific program, time schedule

Sunday 26.8

17:30 Opening

18:00 PL-1, Hall A, Keynote and Plenary lectures

Hydrogen: From petrochemical workhorse to clean fuel, Herman P.C.E. Kuipers, , Speaker Herman P.C.E. Kuipers

19:00 Welcome reception

Monday 27.8

09:00 Berzelius Lecture, Hall A, Keynote and Plenary lectures

New Ligands and Applications for Olefin Metathesis Catalysts, R.H. Grubbs, California Institute of Technology, Speaker R.H. Grubbs

10:00 O4-1, Auditorium 1, New experimental approaches and characterization under reaction conditions (combinatorial methods included)

Non-uniform catalytic behaviour of zeolite crystals as revealed by in-situ optical micro-spectroscopy, Marianne H.F. Kox, Eli Stavitski, Bert M. Weckhuysen, Utrecht University, Speaker Marianne Kox

10:00 O14-1, Auditorium 2, Catalysis for pollution control (mobile)

The Effect of Water on the Adsorbed NOx species over BaO/Al2O3 NOx Storage Materials: A Combined FTIR and In Situ Time-Resolved XRD study, János Szanyi, Ja Hun Kwak, Do Heui Kim, Jonathan Hanson, Charles H.F. Peden, Pacific Northwest National Laboratory, Speaker Janos Szanyi

10:00 O15-1, Auditorium 3, Catalysis for bulk and specialty chemicals

Nature and chemical reactivity of Ga species in ZSM-5 zeolite for alkane activation, N. Rane, R.A. van Santen, E.J.M. Hensen, Eindhoven University of Technology, Speaker N.Rane

10:00 K9-1, Hall A, Keynote and Plenary lectures

Zeolite Catalysts in Oil Refining and Petrochemistry, Jens Weitkamp, University of Stuttgart, Speaker Jens Weitkamp

10:00 O5-1, Hall C, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)

Methods to Assess Leaching of Active Palladium from Immobilized Molecular Catalysts in Heck and Suzuki Couplings, J. M. Richardson, C. W. Jones, Georgia Institute of Technology, Speaker Chris Jones

10:20 O4-2, Auditorium 1, New experimental approaches and characterization under reaction conditions (combinatorial methods included)

2D-mapping of supported noble metal catalysts at work, Jan-Dierk Grunwaldt, Stefan Hannemann, Bertram Kimmerle, Alfons Baiker, Pit Boye, Jens Patommel, Christian G. Schroer, ETH Zurich, Speaker Grunwaldt

10:20 O14-2, Auditorium 2, Catalysis for pollution control (mobile)

Impact of the support on the NOx trap properties of Pt/Ba/support catalysts: H2O and CO2 effect, sulfur resistance and regeneration., E.C. Corbos, X. Courtois, N. Bion, P. Marecot, D. Duprez, Université de Poitiers, Speaker E.C. Corbos

10:20 O15-2, Auditorium 3, Catalysis for bulk and specialty chemicals

Liquid-phase beckmann rearrangement of cyclododecanone oxime on delaminated material ITQ-2: a sulfuric acid-free process for production of ù-lauractam, P. Botella, A. Corma, S. Iborra, R. Monton, V. Costa, Instituto de Tecnologia Quimica, Speaker Pablo Botella

10:20 O5-2, Hall C, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)

Very Efficient and Selective Coupling Reactions Catalyzed by Novel Metal-carbene Complexes, Guillaume Berthon-Gelloz, Itsvan Marko, Guy Bertrand, Celine Lyon-Saunier, Antoine Baceiredo, Gérard Mignani, Rhodia Recherches, Speaker MIGNANI Gérard

10:40 Coffee break

- 11:10 O4-3, Auditorium 1**, New experimental approaches and characterization under reaction conditions (combinatorial methods included)
Operando Quantification Of Reaction Intermediates In The Water-Gas Shift Reaction On Au/Ce(La)O₂: Elimination Of Formates Seen By DRIFT As A Key Intermediate., F. C. Meunier, D. Reid, S. Shekhtman, A. Goguet, C. Hardacre, R. Burch, W. Deng, M. Flytzani-Stephanopoulos, Queen's University Belfast, Speaker Dr A. Goguet
- 11:10 O14-3, Auditorium 2**, Catalysis for pollution control (mobile)
Real-time observation of platinum redispersion on ceria-based oxide by in-situ Turbo-XAS, Toshitaka Tanabe, Yasutaka Nagai, Kazuhiko Dohmae, Nobuyuki Takagi, Yasuo Ikeda, Sakura Pascarelli, Gemma Guilera, Mark Newton, Oji Kuno, Hongying Jiang, Hirofumi Shinjoh, Shinichi Matsumoto, Toyota Central R&D Labs., Inc., Speaker Toshitaka Tanabe
- 11:10 O15-3, Auditorium 3**, Catalysis for bulk and specialty chemicals
Selective Oxidation Of Propane Over Cation Exchanged Zeolites: Active Sites And Reaction Mechanism, Jiang Xu, Barbara L. Mojet, Leon Lefferts, University of Twente, Speaker
- 11:10 O9-1, Hall A**, Catalysis in oil refining
Single event microkinetics of alkane cracking on FAU and MFI zeolites, Rhona Van Borm, Marie-Françoise Reyniers, Guy B. Marin, Ghent University, Speaker Rhona van Borm
- 11:10 K5-1, Hall C**, Keynote and Plenary lectures
Molecular defined Catalysis – A Key Technology for a Sustainable Development in Chemistry, Matthias Beller, LIKAT, Speaker Matthias Beller
- 11:30 O4-4, Auditorium 1**, New experimental approaches and characterization under reaction conditions (combinatorial methods included)
Nuclear Magnetic Resonance Imaging As a Method to Study Catalyst Preparation and Reaction Processes, A.A. Lysova, I.V. Koptuyug, J.A. Bergwerff, L. Espinosa Alonso, B.M. Weckhuysen, A.V. Kulikov, V.A. Kirillov, R.Z. Sagdeev, V.N. Parmon, International Tomography Center SB RAS, Speaker Anna Lysova
- 11:30 O14-4, Auditorium 2**, Catalysis for pollution control (mobile)
NO_x storage on BaO and BaO/Pt: insights from ab initio calculations, Henrik Grönbeck, Chalmers University of Technology, Speaker Henrik Grönbeck
- 11:30 O15-4, Auditorium 3**, Catalysis for bulk and specialty chemicals
Application of Niobia Compounds Towards the One-Step Synthesis of Methyl Isobutyl Ketone: Kinetics and Catalyst Development, W.K. O'Keefe, F.T.T. Ng, G.L. Rempel, The University of Waterloo, Speaker William K. O'Keefe
- 11:30 O9-2, Hall A**, Catalysis in oil refining
Cracking of a rapeseed vegetable oil under realistic FCC conditions, X. Dupain, D. Costa, C.J.. Schaverien, M. Makkee, J.A. Moulijn, TU Delft, Speaker J.A. Moulijn
- 11:50 K4-1, Auditorium 1**, Keynote and Plenary lectures
Electron Tomography of Catalysts and Nanoparticles, Paul Midgley, Edmund Ward, Ana Hungria, John Meurig Thomas, University of Cambridge, Speaker Paul Midgley
- 11:50 O14-5, Auditorium 2**, Catalysis for pollution control (mobile)
One-step flame made 0.5 wt% Pd/LaCoO₃ catalyst for the reduction of NO by H₂ under lean conditions, G.L. Chiarello, J.D. Grunwaldt, D. Ferri, A. Baiker, L. Forni, Università degli studi di Milano, Speaker G.L. Chiarello
- 11:50 K15-1, Auditorium 3**, Keynote and Plenary lectures
Liquid phase oxidation and reduction reactions on colloidal and heterogeneous catalysts, Dirk De Vos, Centre for Surface Chemistry and Catalysis, Speaker Dirk De Vos
- 11:50 O9-3, Hall A**, Catalysis in oil refining
Selective Ring Opening of Naphthalene over Mo₂C/HY Zeolite, Xuebin Liu, Kevin J. Smith, The University of British Columbia, Speaker Kevin Smith
- 11:50 O5-3, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)

- Novel transition-metal-free heterogeneous catalysts for the sustainable epoxidation of alkenes*, Paolo P. Pescarmona, Kris P.F. Janssen, Pierre A. Jacobs, University of Leuven, Speaker Paolo Pescarmona
- 12:10 O14-6, Auditorium 2**, Catalysis for pollution control (mobile)
Characterization of Ag-based materials in diesel soot combustion, Eleonora Aneggi, Alessandro Trovarelli, Jordi Llorca, Carla de Leitenburg, Giuliano Dolcetti, Università di Udine, Speaker Eleonora Aneggi
- 12:10 O9-4, Hall A**, Catalysis in oil refining
Upgrading of Middle Distillates with Platinum Catalysts, J. Jakkula, P. Aalto, N. Kumar, M. Lindblad, V. Niemi, M. Tiitta, H. Österholm, Neste Oil, Speaker J. Jakkula
- 12:10 O5-4, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
Shape-Selective Isopropylation of Biphenyl over MCM-68 Zeolite, Tomoko Shibata, Sayaka Suzuki, Kenichi Komura, Yoshihiro Kubota, Yoshihiro Sugi, Gifu University, Speaker Y. Sugi
- 12:30 O4-5, Auditorium 1**, New experimental approaches and characterization under reaction conditions (combinatorial methods included)
Pd-C surface phase as an essential parameter of selective alkyne hydrogenation: a high-pressure XPS study, D. Teschner, E. M. Vass, M. Hävecker, S. Zafeiratos, P. Schnörch, A. Knop-Gericke, J. Borsodi, M. Chamam, A. Wootsch, R. Schlögl, Fritz-Haber-Institut der MPG, Speaker Teschner
- 12:30 K14-1, Auditorium 2**, Keynote and Plenary lectures
On-Road and Laboratory Measurements of Nucleation Mode Particles Downstream of Catalyzed Diesel Particulate Filtration Systems, D. B. Kittelson, W. F. Watts, J. P. Johnson, C. Thorne, C. McCann, M. Payne, S. Goodier, C. Warrens, H. Preston, U. Zink, D. Pickles, C. Goersmann, M. V. Twigg, A. P. Walker, R. Boddy, University of Minnesota, Speaker D. B. Kittelson
- 12:30 O15-5, Auditorium 3**, Catalysis for bulk and specialty chemicals
Mechanistic and reaction engineering aspects of nitrile hydrogenation, P. Schäringer, T. E. Müller, J. A. Lercher, Technische Universität München, Speaker T. E. Müller
- 12:30 O9-5, Hall A**, Catalysis in oil refining
The Selective Catalytic Oxidation of Hydrogen Sulphide in the presence of Methane, Carl MAM Mesters, Arnab Chatterjee, Cor de Graaf, Ronald Schoonebeek, Shell Global Solutions, Speaker Arnab Chatterjee
- 12:30 O5-5, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
Cerium-Catalyzed Oxidative C–C Bond Forming Reactions for the Synthesis of 1,4-Diketones and Heterocyclic Compounds, Jens Christoffers, Universität Oldenburg, Speaker Jens Christoffers
- 12:50 O4-6, Auditorium 1**, New experimental approaches and characterization under reaction conditions (combinatorial methods included)
The Cr/SiO₂ Phillips catalyst: a Raman study, A. Damin, F. Bonino, E. Groppo, S. Bordiga, C. Lamberti, A. Zecchina, Università di Torino, Speaker Alessandro Damin
- 12:50 O15-6, Auditorium 3**, Catalysis for bulk and specialty chemicals
Direct epoxidation of propylene to propylene oxide by using hydrogen/oxygen mixed gas and molecular oxygen as oxidants, Naoki Mimura, Zhaoxia Song, Xiaoming Zhang, Miki Yoshimune, Juan J. Bravo-Suárez, Susumu Tsubota, S. Ted Oyama, Tadahiro Fujitani, National Institute of Advanced Industrial Science and Technology, Speaker Naoki Mimura
- 12:50 O9-6, Hall A**, Catalysis in oil refining
Effect of acidity of support on the properties of sulfided Mo phase of hydrotreating catalysts, Wenbin Chen, Françoise Mauge, Jacob van Gestel, Jean-Pierre Gilson, Jacques Quillard, Carole Dupuy, Eric Lacroix, Hong Nie, Dadong Li, ENSICAEN, Speaker Françoise Mauge
- 12:50 O5-6, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
Gold vs Pd Complexes Soluble and Heterogenized on MCM-41 as Effective and versatile Catalysts, C. González-Arellano, A. Corma, M. Iglesias, F. Sánchez, Instituto de Ciencia de Materiales de Madrid, CSIC, Speaker Marta Iglesias Hernández
- 13:10 Lunch**
- 14:40 O4-7, Auditorium 1**, New experimental approaches and characterization under reaction conditions (combinatorial methods included)

- Immediate access to active sites in nickel butene isomerization catalysts under industry-like conditions by high-pressure liquid-phase EPR*, A. Brückner, U. Bentrup, H. Zanthoff, D. Maschmeyer, Leibniz Institute for Catalysis, Branch Berlin, Speaker Angela Brückner
- 14:40 K14-2, Auditorium 2**, Keynote and Plenary lectures
Diesel Emissions in Review, Timothy V. Johnson, Corning Incorporated, Speaker Timothy V. Johnson
- 14:40 O15-7, Auditorium 3**, Catalysis for bulk and specialty chemicals
SNOW: A New Styrene Technology, Domenico Sanfilippo, Guido Capone, Richard Pierce, Howard Clark, Snamprogetti, Speaker Domenico Sanfilippo
- 14:40 K9-2, Hall A**, Keynote and Plenary lectures
New Atomic-Scale Insights into Cluster-size, Promoter and Support Effects of MoS₂-based Hydrotreating Model Catalysts, Flemming Besenbacher, Jakob Kibsgaard, Jeppe V. Lauritsen, University of Aarhus, Speaker Flemming Besenbacher
- 14:40 O5-7, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
Metal-triflate ionic liquid systems immobilized onto mesoporous MS41 materials as new and efficient catalyst for N-acylation, S. M. Coman, M. Florea, V. I. Parvulescu, D. De Vos, P. A. Jacobs, G. Poncelet, P. Grange, University of Bucharest, Speaker V.I. Parvulescu
- 15:00 O4-8, Auditorium 1**, New experimental approaches and characterization under reaction conditions (combinatorial methods included)
In situ XAFS study of Cu-promoted Cr-stabilized iron-based water-gas shift catalysts under industrial conditions (380°C, 25bar, 37.5%H₂O), A. Puig-Molina, A.M. Molenbroek, T.V.W. Janssens, E. Törnqvist, B.S. Clausen, Haldor Topsøe A/S, Speaker Ton V. W. Janssens
- 15:00 O15-8, Auditorium 3**, Catalysis for bulk and specialty chemicals
Telomerization of 1,3-butadiene with amines, Ralf Jackstell, Anne Grotevendt, Maribel Bartolomé, David Nielsen, Matthias Beller, Leibniz-Institut für Katalyse e.V., Speaker Anne Grotevendt
- 15:00 O5-8, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
Palladium supported materials for C-C coupling reactions: Conventional heating versus Microwave irradiation, J. H. Clark, M. J. Gronnow, R. Luque, D. J. Macquarrie, R. J. White, The University of York, Speaker Rafael Luque
- 15:20 O4-9, Auditorium 1**, New experimental approaches and characterization under reaction conditions (combinatorial methods included)
Catalytic Performances and Structural Transformation of Re-Cluster/HZSM-5 Catalysts Selective for Direct Phenol Synthesis from C₆H₆ and O₂, M. Tada, R. Bal, Y. Uemura, Y. Iwasawa, The University of Tokyo, Speaker Mizuki Tada
- 15:20 O14-7, Auditorium 2**, Catalysis for pollution control (mobile)
Investigation of the Isocyanic Acid Hydrolysis in the Urea-SCR Process, O. Kröcher, G. Piazzesi, I. Czekaj, M. Devadas, M. Elsener, A. Wokaun, Paul Scherrer Institute, Speaker Oliver Kröcher
- 15:20 O9-7, Hall A**, Catalysis in oil refining
Genesis of new HDS catalysts through a careful control of the sulfidation of both Co and Mo atoms, Naïma Frizi, Pascal Blanchard, Pascale Baranek, Edmond Payen, Jean Pierre Dath, Unité de Catalyse et de Chimie du Solide, Speaker
- 15:20 K5-2, Hall C**, Keynote and Plenary lectures
Base and redox catalysis with Layered Double Hydroxides, Didier Tichit, Institut Charles Gerhardt - UMR 5253, Speaker Didier Tichit
- 15:40 O4-10, Auditorium 1**, New experimental approaches and characterization under reaction conditions (combinatorial methods included)
Characterization of trimetallic Pt-Pd-Au/CeO₂ catalysts combinatorially designed for methane total oxidation, András Tompos, József L. Margitfalvi, Mihály Hegedûs, Ágnes Szegedi, Jose Luis G. Fierro, Sergio Rojas, Chemical Research Center, Speaker Andras Tompos
- 15:40 O14-8, Auditorium 2**, Catalysis for pollution control (mobile)
Mechanistic Considerations of Propane Activation for HC-SCR using Isotope Labelled Oxygen, Hanna Härelind Ingelsten, Anders Palmqvist, Magnus Skoglundh, Chalmers University of Technology, Speaker Hanna Ingelsten
- 15:40 O9-8, Hall A**, Catalysis in oil refining

Kinetics of the HDS of 4,6-dimethyldibenzothiophene and its hydrogenated intermediates over Mo/Al₂O₃ and NiMo/Al₂O₃, Roel Prins, Anjie Wang, Xiang Li, Marina Egorova, ETH Zurich, Speaker Roel Prins

16:00 Coffee break

16:30 K4-2, Auditorium 1, Keynote and Plenary lectures

Using X-rays to study catalysts, Jeroen A. Van Bokhoven, ETH Zurich, Speaker Jeroen A. Van Bokhoven

16:30 O14-9, Auditorium 2, Catalysis for pollution control (mobile)

A combined in situ DRIFTS and fast transient kinetic study of the effect of H₂ on the Selective Catalytic Reduction of NO_x with octane using isotopically labelled 15NO, J.P. Breen, R. Burch, S. Chansai, C. Hardacre, C. Hill, F.C. Meunier, C. Rioche, Queens University Belfast, Speaker John P. Breen

16:30 K10-1, Auditorium 3, Keynote and Plenary lectures

Nanostructured Cobalt Fischer Tropsch Catalysts for GTL, K.P. de Jong, Utrecht University, Speaker K.P. de Jong

16:30 O9-9, Hall A, Catalysis in oil refining

Hydrogenation of tetralin by ASA supported noble metal catalysts in the presence of sulfur and nitrogen compounds, Benjamin A. Fonfè, Maria F. Williams, Dechao Wang, Andreas Jentys, Rob van Veen, Johannes A. Lercher, Technische Universität München, Speaker Benjamin Fonfè

16:30 O5-9, Hall C, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)

Hydrogenation of aromatic nitriles to amines – catalyst selection, support effects, kinetics and deactivation, A.G. van der Neut, J.J.W. Bakker, Kapteijn, J.A. Moulijn, M.T. Kreutzer, Delft University of Technology, Speaker F. Kapteijn

16:50 O14-10, Auditorium 2, Catalysis for pollution control (mobile)

Interactions between silver and hydrogen on Ag/mordenite and Ag/g-Al₂O₃, M. Richter, U. Bentrup, E.V. Kondratenko, V. A. Kondratenko, M.J.G. Fait, D. Heidemann, Leibniz Institute for Catalysis, Speaker Manfred Richter

16:50 O9-10, Hall A, Catalysis in oil refining

Ultradeep adsorption-desulfurization of gasoline with Ni/ASl-SiO₂ material in presence of ethanol, M.V.Landau, M.Cohen, M.Herskowitz, R.Agnihotri, J.E.Kegerreis, Ben-Gurion University of the Negev, Speaker M. Landau

16:50 O5-10, Hall C, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)

High temperature activation of noble metal catalysts supported on carbon multi-walled nanotubes for selective hydrogenation of unsaturated aldehydes, Bruno F Machado, Helder T Gomes, Philippe Serp, Philippe Kalck, José L Figueiredo, Joaquim L Faria, Universidade do Porto, Speaker J. Faria

17:10-19:00 Poster session I, Session 4, 5, 9, 14, 15

Tuesday 28.8

09:00 PL-2, Hall A, Keynote and Plenary lectures

A molecular view of heterogeneous catalysis, J. K. Nørskov, Technical University of Denmark, Speaker J. K. Nørskov

10:00 O10-1, Auditorium 1, Natural gas conversion (GTL, MTO, methanol, etc.)

Oxidation/Reduction of cobalt catalysts during Fischer-Tropsch synthesis: Theory, model systems, and supported catalysts, J. van de Loosdrecht, A. Borgna, I.M. Ciobica, A.M. Saib, P.J. van Berge, R.A. van Santen, J.W. Niemantsverdriet, Sasol Technology (Pty) Ltd, Speaker J. van de Loosdrecht

10:00 O1-1, Auditorium 2, Catalysis from first principles

Towards Rational Design of Ruthenium CO₂-Hydrogenation Catalysts by Ab Initio Metadynamics, Atsushi Urakawa, Marcella Iannuzzi, Juerg Hutter, and Alfons Baiker, ETH Zurich, Speaker Atsushi Urakawa

10:00 K19-1, Auditorium 3, Keynote and Plenary lectures

- Palladium catalysed vapour phase acetoxylation of toluene to benzyl acetate*, V. Narayana Kalevaru, A. Benhmid, J. Radnik, M.-M. Pohl, B. Lücke, A. Martin, Leibniz Institute for Catalysis, Speaker V. Narayana Kalevaru
- 10:00 K14-3, Hall A**, Keynote and Plenary lectures
Reaction Mechanisms and Active Sites in Automotive Emission Control: Chemistry or Alchemy?, Robbie Burch, Queen's University Belfast, Speaker Robbie Burch
- 10:00 K9-3, Hall C**, Keynote and Plenary lectures
Advanced Catalyst Technologies to Meet Future Refining Challenges, Ajit Sapre, Jose Santiesteban, ExxonMobil Research & Engineering Co, Speaker Ajit Sapre
- 10:20 O10-2, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)
Microkinetic analysis of Fischer-Tropsch synthesis on Fe and Co catalysts, G. Lozano-Blanco, J.W. Thybaut, K. Surla, P. Galtier, G.B. Marin, Ghent University, Speaker Gisela Lozano
- 10:20 O1-2, Auditorium 2**, Catalysis from first principles
Modeling Fischer Tropsch Catalysis: CXHY Species on Ru{1 0 -1 5}, Glenn Jones, Martin P. Anderson, Thomas Bligaard, Claus H. Christensen, Jens K. Nørskov, Danish Technical University, Speaker Glenn Jones
- 10:40 Coffee break**
- 11:10 K10-2, Auditorium 1**, Keynote and Plenary lectures
Recent Developments in Direct Routes for Natural Gas Conversion, Anders Holmen, Norwegian University of Science and Technology, Speaker Anders Holmen
- 11:10 O1-3, Auditorium 2**, Catalysis from first principles
The Role of Modifier Structure and Conformation in Heterogeneous Enantioselective Hydrogenation, V. Nieminen, A. Taskinen, J. Sinkkonen, I. Busygin, E. Toukoniitty, D. Yu. Murzin, Åbo Akademi University, Speaker Ville Nieminen
- 11:10 O19-1, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Mesoporous silica supported ZrO₂ based mixed oxides for oxidative dehydrogenation of ethylbenzene to styrene with CO₂, Sang-Eon Park, Sujandi, Abishek Burri, David Raju Burri, Inha University, Speaker Sang-Eon Park
- 11:10 O13-1, Hall A**, Catalysis for pollution control (stationary)
Catalysts based on Ce-Al for the NO_x reduction in a FCC unit, A.E.Palomares, A. Uzcategui, A. Corma, Universidad Politecnica Valencia, Speaker A.E. Palomares
- 11:10 O6-1, Hall C**, Catalysis by enzymes
Enzyme Active Site Engineering with Combinatorial Libraries, Werner Besenmatter, ETH Zurich, Speaker Werner Besenmatter
- 11:30 O1-4, Auditorium 2**, Catalysis from first principles
Role of Lewis Acids in the Tungsten-Imido-Catalysed Dimerisation of alpha-Olefins: A Computational Mechanistic Study, Sven Tobisch, Sasol Technology (UK) Ltd., Speaker Sven Tobisch
- 11:30 O19-2, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Effect of potassium addition to CrOx/oxide support catalysts on their physicochemical and catalytic properties in oxidative dehydrogenation of isobutane, K. Samson, B. Grzybowska, M. A. Bañares, E. Lozano Diz, J. Sloczyński, A. Kotarba, M. Hermanowska, Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, Speaker Katarzyna Samson
- 11:30 O13-2, Hall A**, Catalysis for pollution control (stationary)
Low-Temperature H₂-SCR of NO on a Novel Pt/MgO-CeO₂ Catalyst: A Comprehensive Elucidation of Bifunctional Catalysis, P.G. Savva, C.N. Costa, A.M. Efstathiou, University of Cyprus, Speaker Angelos M Efstathiou
- 11:30 O6-2, Hall C**, Catalysis by enzymes
Screening for industrial biocatalysts in natural biodiversity, G. Meurer, J. Eck, BRAIN AG, Speaker G. Meurer
- 11:50 O10-3, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)

- Conversion of methanol to hydrocarbons over medium and large pore acidic zeolites: Steric control of the reaction intermediates determines the ethene/propene selectivity*, Morten Bjørgen, Finn Joensen, Karl-Petter Lillerud, Unni Olsbye, Stian Svelle, Haldor Topsøe A/S, Speaker Stian Svelle
- 11:50 K1-1, Auditorium 2**, Keynote and Plenary lectures
DFT calculations and the design of new catalytic materials: unusual properties of Au clusters supported on oxide ultra-thin films, Gianfranco Pacchioni, Livia Giordano, Università Milano Bicocca, Speaker Gianfranco Pacchioni
- 11:50 O19-3, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Fe₂O₃/beta-SiC: a new high efficiency catalyst for the selective oxidation of H₂S into elemental sulfur. Catalytic and modelisation investigations, Patrick Nguyen, Jean-Mario Nhut, David Edouard, Charlotte Pham, Marc-Jacques Ledoux, Cuong Pham-Huu, LMSPC, Speaker Jean-Mario Nhut
- 11:50 O13-3, Hall A**, Catalysis for pollution control (stationary)
First Pilot Test Results of a DeNO_x Catalytic Filter, Manfred Nacken, Steffen Heidenreich, David Sanz, Jose Luis Dorronsoro, Jesus Rodriguez-Maroto, Alberto Bahillo, Raquel Ramos, Lourdes Armesto, Pall Filtersystems GmbH and CIEMAT, Speaker M. Nacken
- 11:50 O6-3, Hall C**, Catalysis by enzymes
Protein engineering of industrial relevant enzymes for Biocatalysis, Allan Svendsen, Michael Skjøt, Jesper Brask, Novozymes A/S, Speaker Allan Svendsen
- 12:10 O10-4, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)
A zeolite deactivation study in hybrid Co/SiO₂-zeolite catalysts during the one-stage conversion of syngas to gasoline, A. Martínez, J. Rollán, C. López, H.S. Cerqueira, A.F. Costa, E. Falabella S.-Aguiar, Instituto de Tecnologia Química, Speaker A. Martínez
- 12:10 O19-4, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Autoxidation Chemistry: Radical Changes, Rational Catalyst Design, Ive Hermans, Eric Breynaert, André Maes, Jozef Peeters, Pierre A. Jacobs, KU Leuven, Speaker Iwe Hermans
- 12:10 O13-4, Hall A**, Catalysis for pollution control (stationary)
Methane oxidation by NO and atomic oxygen from reverse spillover on alumina supported palladium catalysts, Rui Marques, Sandra Capela, Stéphanie Da Costa, Franck Delacroix, Gérald Djéga-Mariadassou, Patrick Da Costa, Université Pierre et Marie Curie, Speaker Patrick Da Costa
- 12:10 O6-4, Hall C**, Catalysis by enzymes
Design of novel biocatalysts by immobilization in mesoporous silica hosts, Anne Galarneau, Lai Truong Phuoc, Gilbert Renard, François Fajula, Institut Charles Gerhardt Montpellier, Speaker F. Fajula
- 12:30 O10-5, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)
Conversion of Methanol to Hydrocarbons: spectroscopic characterization of carbonaceous species formed over H-ZSM-5., Francesca Bonino, Luisa Palumbo, Chiara Bertolino, Morten Bjørgen, Pablo Beato, Stian Svelle, Silvia Bordiga, Adriano Zecchina, Università di Torino, Speaker Stian Svelle
- 12:30 O1-5, Auditorium 2**, Catalysis from first principles
Description of Brønsted basic sites of MgO by microcalorimetry, spectroscopy and DFT calculations of water and methanol adsorption., H. Petitjean, C. Chizallet, K. Tarasov, G. Costentin, H. Lauron-Pernot, M. Che, M.C. Paganini, E. Giamello, B. Moulin, P. Bazin, F. Maugé, F. Delbecq, P. Sautet., Université Pierre et Marie Curie Paris VI, Speaker Petitjean
- 12:30 K19-2, Auditorium 3**, Keynote and Plenary lectures
How to reach 100% selectivity in H₂O₂-based oxidation of 2,3,6-trimethylphenol to trimethyl-p-benzoquinone over Ti,Si-catalysts, Oxana Kholdeeva, Irina Ivanchikova, Matteo Guidotti, Nicoletta Ravasio, Maila Sgobba, Marina Barmatova, Borskov Institute of Catalysis, Speaker Oxana Kholdeeva
- 12:30 O13-5, Hall A**, Catalysis for pollution control (stationary)
Cu-ZSM-5 based additives for the simultaneous decrease of NO and CO formed during regeneration of spent Fluid Catalytic Cracking catalysts, V.G. Komvokis, I.A. Vasalos, K.S. Triantafyllidis, Aristotle University of Thessaloniki, Speaker Kostas Triantafyllidis
- 12:30 K6-1, Hall C**, Keynote and Plenary lectures
Enzymes in Organic Synthesis – From Commercial Enzymes to Tailor-Designed Biocatalysts, Uwe. T. Bornscheuer, Greifswald University, Speaker Uwe. T. Bornscheuer

- 12:50 O10-6, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)
Tantalum Hydride Complexes Supported on MCM-41 Mesoporous Silica: Stoichiometric and Catalytic Properties towards Activation of Methane, S. Soignier, M. Taoufik, S. Norsic, F. Lefebvre, A. de Mallmann, J. Thivolle-Cazat, J.M. Basset, B. Maunders, G.J. Sunley, , Speaker J. Thivolle-Cazat
- 12:50 O1-6, Auditorium 2**, Catalysis from first principles
The Role of V2O5 Low-indices Surfaces in SCR Mechanism- Cluster DFT Study of Ammonia Adsorption, P. Hejduk, M. Witko, Institute of Catalysis and Surface Chemistry, PAS, Speaker Pawel Hejduk
- 12:50 O13-6, Hall A**, Catalysis for pollution control (stationary)
Iron-based zeolite catalysts with improved activity and hydrothermal stability in N2O decomposition : from lab-scale to pilot-plant, J.A.Z. Pieterse, G. D. Pirngruber, J.A van Bokhoven, G.D. Elzinga, R.W. van den Brink, S. Booneveld, Energy Research Centre of the Netherlands, Speaker Jean Pierre Pieterse
- 13:10 Lunch**
- 14:40 O10-7, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)
Selective Methane Bromination over Sulfated Zirconia in SBA-15 Structures, Volkan Degirmenci, Aysen Yilmaz, Deniz Uner, Middle East Technical University, Speaker Volkan Degirmenci
- 14:40 O1-7, Auditorium 2**, Catalysis from first principles
Selective oxidation of hydrocarbons over alkali-earth faujasites, Evgeny A. Pidko, Rutger A. van Santen, Eindhoven University of Technology, Speaker Evgeny Pidko
- 14:40 O19-5, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Study of Heteropolycompound based Catalysts for Isobutane Oxidation to Methacrylic Acid and Methacrolein: Effect of Counter-cations and Reaction Mechanism., Q. Huynh, J.M.M. Millet, S. Loridant, Y. Shuurman, CNRS France, Speaker J-M. Millet
- 14:40 K13-1, Hall A**, Keynote and Plenary lectures
Catalytic processes for air pollution abatement trends and perspectives, A. Renken, Ch. Subrahmanyam, L. Kiwi-Minsker, Ecole Polytechnique Fédérale de Lausanne, Speaker A. Renken
- 14:40 O5-11, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
New insights into the palladium induced enantioselective decarboxylation, Pavel Kukula, Václav Matoušek, Tamas Mallat, Alfons Baiker, ETH Zürich, Speaker Pavel Kukula
- 15:00 O10-8, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)
Investigation of mechanistic details of partial oxidation of methane by in situ molecular beam mass spectrometry, K. Pelzer, M. Geske, R. Horn, A. Taha, F.C. Jentoft, R. Schlögl, Fritz Haber Institute, Max Planck Society, Speaker Friederike Jentoft
- 15:00 O1-8, Auditorium 2**, Catalysis from first principles
Proton exchange between small hydrocarbons and acidic chabazite: Ab-initio study., Tomas Bucko, Lubomir Benco, Jürgen Hafner, Janos G. Angyan, University of Vienna, Austria, Speaker Tomas Bucko
- 15:00 O19-6, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Selective oxidation of propane over Mo-V-Sb-O based catalysts. Influence of the addition of alkali metals, F. Ivars, B. Solsona, P. Botella, P. Concepción, J.M. López Nieto, Instituto de Tecnología Química, Speaker Jose M Lopez Nieto
- 15:00 O5-12, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
Bifunctional Zr-Zeolite Beta-Supported Rhodium Catalysts for the Stereoselective Cascade Hydrogenation of 4-tert-Butylphenol, Yuntong Nie, Stephan Jaenicke, Herman van Bekkum, Gaik-Khuan Chuah, National University of Singapore, Speaker Chuah Gaik Khuan
- 15:20 O10-9, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)
ZSM-5/beta-SiC foam as an active and stable catalyst for dimethylether (DME) synthesis, Svetlana Ivanova, Estelle Vanhaecke, Suzanne Libs, Benoît Louis, Marc-Jacques Ledoux, Cuong Pham-Huu, LMSPC CNRS, Speaker Svetlana Ivanova
- 15:20 K1-2, Auditorium 2**, Keynote and Plenary lectures

- Description of periodic trends in heterogeneous catalysis from first principles: an update*, H. Toulhoat, Institut Français du Pétrole, Speaker H. Toulhoat
- 15:20 O19-7, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
MoV-based catalysts in ethane oxidation to acetic acid: Influence of additives on surface chemistry, M. Roussel, S. Barama, A. Löfberg, S. Al-Sayari, K. Karim, E. Bordes-Richard, USTL Lille, Speaker Bordes-Richard
- 15:20 O13-7, Hall A**, Catalysis for pollution control (stationary)
High catalytic activity and stability of Pd doped hexaaluminate catalysts for the CH₄ catalytic combustion., A. Baylet, S. Royer, P. Marecot, J.-M. Tatibouet, D. Duprez, Laboratory of Catalysis in Organic Chemistry, Speaker Alexandre BAYLET
- 15:20 O5-13, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
Scope of the Cinchona Alkaloids-Modified Palladium Catalysts in Enantioselective Hydrogenations of Unsaturated Carboxylic Acids, György Szöllösi, Kornél Szőri, Beáta Hermán, Szabolcs Cserényi, Károly Felföldi, Ferenc Fülöp, Mihály Bartók, Stereochemistry Research Group of HAS, Speaker Szöllösi György
- 15:40 O10-10, Auditorium 1**, Natural gas conversion (GTL, MTO, methanol, etc.)
Catalytic combustion of methane over Pd based catalysts: role of the support on PdO stability and resistance to sulphur poisoning, M. Taralunga, A. Kaddouri, E. Garbowski, P. Gelin, Institut de recherches sur la catalyse et environnement de Lyon, Speaker Patrick Gelin
- 15:40 O19-8, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Specific role of SiC in the generation of catalytic active species in supported vanadia catalysts, M.L. Kaliya, N. Froumin, A. Erenburg, N. Frage, M. Landau, M. Herskowitz, Ben-Gurion University of the Negev, Speaker M. Landau
- 15:40 O13-8, Hall A**, Catalysis for pollution control (stationary)
Rare-earth modified CeO₂ catalysts for soot oxidation, A. Bueno-López, K. Krishna, J. A. Moulijn, M. Makkee, TU Delft, Speaker A. Bueno-López
- 15:40 O5-14, Hall C**, Catalysis for pharma and fine chemistry (homo- and heterogeneous catalysis)
Chiral Synthesis on Catalysts Confined in Nanopores of Mesoporous Materials, Hengquan Yang, Can Li, Dalian Institute of Chemical Physics, Speaker Can Li
- 16:00 Coffee break**
- 16:30 K10-3, Auditorium 1**, Keynote and Plenary lectures
Gas To Liquids technologies for natural gas reserves valorization, C. Perego, R. Zennaro, ENI SPA REFINING & MARKETING DIVISION, Speaker C. Perego
- 16:30 O1-9, Auditorium 2**, Catalysis from first principles
Basicity of zeolites, P. Mignon, P. Geerlings, R.A. Schoonheydt, K.U.Leuven, Speaker Robert Schoonheydt
- 16:30 O19-9, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Gold supported on Mg, Al and Cu containing mixed oxides: Structural Properties and behavior in catalytic aerobic alcohol oxidation, Peter Haider, Jan-Dierk Grunwaldt, Alfons Baiker, ETH Zürich, Speaker Peter Haider
- 16:30 O13-9, Hall A**, Catalysis for pollution control (stationary)
Factors Affecting Activity of Gold on Hopcalite and Other Supports, Jason McPherson, Diandree Padayachee, David Thompson, Elma van der Lingen, ProjectAuTEK and World Gold Council, Speaker Jason McPherson
- 16:30 K7-1, Hall C**, Keynote and Plenary lectures
Towards the Computational Design of Industrial Polymerization Catalysts, Tom Ziegler, University of Calgary, Speaker Tom Ziegler
- 16:50 O1-10, Auditorium 2**, Catalysis from first principles
Edge wetting Effects of g-Al₂O₃ and Anatase-TiO₂ Supports by MoS₂ and CoMoS Active Phases: a DFT study, P. Raybaud, D. Costa, C. Arrouvel, M. Breysse, H. Toulhoat, IFP, Speaker Pascal Raybaud
- 16:50 O19-10, Auditorium 3**, Towards 100% Selectivity in Catalytic Oxidation over Nanostructured Metal Oxides
Oxidative dehydrogenation of propane over vanadia catalysts supported on non-porous, microporous and mesoporous silicate supports, S.A. Karakoulia, K.S. Triantafyllidis, G.Tsilomelekis, S. Boghosian, A.A. Lemonidou, Aristotle University Thessaloniki, Speaker S.A. Karakoulia

16:50 O13-10, Hall A, Catalysis for pollution control (stationary)

Catalytic ozonation of benzene over alumina-supported silver catalysts, Hisahiro Einaga, Atsushi Ogata, Yasutake Teraoka, Kyushu University, Speaker Hisahiro Einaga

17:10-19:00 Poster session II, Session 1, 6, 7, 8, 10, 13, 18, 19, Refreshments partially sponsored by



21:00 Concert in Turku cathedral

Wednesday 29.8

09:00 PL-3, Hall A, Keynote and Plenary lectures

From materials discovery via high throughput experimentation to catalyst materials by design, Ferdi Schüth, Max-Planck-Institut für Kohlenforschung, Speaker Ferdi Schüth

10:00 O18-1, Auditorium 2, Catalyst deactivation, regeneration and recycling

Catalyst deactivation and regeneration in alkane dehydrogenation: "can't see the wood for the trees"?, S. David Jackson, Sreekala Rugmini, University of Glasgow, Speaker David Jackson

10:00 O8-1, Auditorium 3, Electro-catalysis and catalysis related to fuel cells

Electrochemical Promotion by potassium of Pt impregnated catalyst for low temperature propene deep oxidation, Antonio de Lucas-Consuegra, Fernando Dorado, José Luis Valverde, Reda Karoum, Philippe Vernoux, Universidad de Castilla-La Mancha, Speaker Antonio de Lucas-Consuegra

10:00 EU-1, Hall A, Special contribution, European Commission

Opportunities for Catalysis Research within the 7th Framework Programme of the European Commission, Dr. Søren Bøwadt

10:00 O7-1, Auditorium 1, Polymerization

Selfsupported Olefin Polymerization Catalysts Based on Emulsion Technology, Peter Denifl, Borealis Polymers Oy, Speaker Peter Denifl

10:00 K6-2, Hall C, Keynote and Plenary lectures

The Protein Scaffold Of Candida Antarctica Lipase B As A Template For New Enzyme Activities, K.Hult, KTH, Stockholm, Speaker K.Hult

10:20 O18-2, Auditorium 2, Catalyst deactivation, regeneration and recycling

Mechanism of Deactivation in CO Oxidation over Gold Supported Catalysts, P. Konova, A. Naydenov, T. Tabakova, D. Mehandjiev, D. Andreeva, Institute of General and Inorganic Chemistry, Speaker Konova

10:20 O8-2, Auditorium 3, Electro-catalysis and catalysis related to fuel cells

Development of novel Pt/WC catalyst for methanol electro-oxidation, Min Ku Jeon, Jung Yeon Won, Ki Rak Lee, Seong Ihl Woo, Korea Advanced Institute of Science and Technology, Speaker Ihl Woo

10:20 O7-2, Auditorium 1, Polymerization

Cyclopolymerization-Derived Conjugated Polymers, C. Schmidt, D. Wang, S. Kumar, O. Nuyken, M. R. Buchmeiser, Leibniz-Institute of Surface Modification, Speaker Buchmeiser

10:40 Coffee break

11:10 K7-2, Auditorium 1, Keynote and Plenary lectures

Site transfer and site transformation – new routes to advanced polyolefin materials, Rolf Mülhaupt, Albert-Ludwigs-University Freiburg, Speaker Rolf Mülhaupt

11:10 O18-3, Auditorium 2, Catalyst deactivation, regeneration and recycling

Deactivation of High-Temperature Shift Catalysts by Silicon Species, B.S. Hammershøi, Haldor Topsøe A/S, Speaker B.S. Hammershøi

- 11:10 O8-3, Auditorium 3**, Electro-catalysis and catalysis related to fuel cells
Highly CO tolerant PtRuMo/C electrocatalysts for PEM and DMFC applications, N. Tsiouvaras, M.V. Martínez-Huerta, M. A. Peña, E. Pastor, J.L.G. Fierro, Universidad de La Laguna, Speaker Nikolaus Tsiouvaras
- 11:10 O13-11, Hall A**, Catalysis for pollution control (stationary)
A comparison between wet catalytic oxidation with O₂ from air and H₂O₂ in the conversion of model compounds and real wastewater from agro-food production, S. Perathoner, S. Caudo, C. Genovese, G. Centi, M. Besson, P. Gallezot, D. Pham Minh, S. Sayadi, S. Azabou, University of Messina, Speaker S. Perathoner
- 11:10 O6-5, Hall C**, Catalysis by enzymes
Supported Enzyme Catalysis: Understanding the Interaction between support and enzyme, Sreedevi Narayanaswamy, Duncan J Macquarrie, James H Clark, University of York, Speaker Sreedevi Narayanaswamy
- 11:30 O6-6, Hall C**, Catalysis by enzymes
Kinetic Modeling of Ester Hydrolysis Catalyzed by Free and Immobilized Lipases and Monitored by In Situ Diode Array Spectrophotometry, L. Costa, V. Brissos, F. Lemos, F. Ramôa Ribeiro, J. Cabral, Instituto Superior Técnico, Speaker Luís Costa
- 11:30 O18-4, Auditorium 2**, Catalyst deactivation, regeneration and recycling
Modeling Catalyst Deactivation in a Fluid Catalytic Cracking Process, Joana L. Fernandes, Carla I. C. Pinheiro, Nuno M.C. Oliveira, Ana I. Neto, Fernando Ramôa Ribeiro, IBB - Institute for Biotechnology and Bioengineering, Speaker Joana Fernandes
- 11:30 O8-4, Auditorium 3**, Electro-catalysis and catalysis related to fuel cells
Methanol reformat treatment in a PEM fuel cell-reactor, F.M.Sapountzi, M.N.Tsampsas, C.G.Vayenas, University of Patras, Speaker Foteini Sapountzi
- 11:30 O13-12, Hall A**, Catalysis for pollution control (stationary)
Iron-based perovskites as new and performant catalysts for the wet peroxide oxidation of organic pollutants in ambient conditions, J. Faye, S. Valange, S. Royer, F. Dumeignil, J.M. Tatibouët, LACCO-ESIP, Speaker J. Faye
- 11:50 K18-1, Auditorium 2**, Keynote and Plenary lectures
Guidelines for preventing the deactivation by coking of zeolite catalysts and for optimising their regeneration, M. Guisnet, UTL, Lisbonne, Speaker M. Guisnet
- 11:50 O8-5, Auditorium 3**, Electro-catalysis and catalysis related to fuel cells
Water-gas shift reaction kinetics over nanostructured copper-ceria catalysts, Stanko Hocevar, Henrik Kusar, Janez Levec, National Institute of Chemistry, Speaker Stanko Hocevar
- 11:50 O13-13, Hall A**, Catalysis for pollution control (stationary)
Oxidative degradation of aromatic pollutant in presence of manganese salen complexes, J. Poltowicz, K. Pamin, P. Staszyński, J. Haber, J. Noworól, W. Bukowski, Institute of Catalysis and Surface Chemistry, PAS, Speaker Jan Poltowicz
- 11:50 O6-7, Hall C**, Catalysis by enzymes
Development of a Monolithic Bioreactor: Design and Application, K.M. de Lathouder, F. Kapteijn, J.A. Moulijn, Delft University of Technology, Speaker Karen de Lathouder
- 11:50 O7-3, Auditorium 1**, Polymerization
Activation of Titanocene and post-Titanocene Olefin Polymerization Catalysts with MAO: the Intermediates, K. P. Bryliakov, E. P. Talsi, N. V. Semikolenova, V. A. Zakharov, H. H. Brintzinger, M. Bochmann, Boreskov Institute of Catalysis, Speaker Dr. Konstantin P. Bryliakov
- 12:10 O8-6, Auditorium 3**, Electro-catalysis and catalysis related to fuel cells
Reaction Dynamics of Fuel-Cell Pt/C Cathode Studied by In-Situ Time-Resolved XAFS Under Operating Conditions, M. Tada, S. Murata, T. Asaoka, K. Hiroshima, K. Okumura, H. Taniad, T. Uruga, H. Nakanishi, S. Matsumoto, Y. Inada, M. Nomura, Y. Iwasawa, The University of Tokyo, Speaker Mizuki Tada
- 12:10 O13-14, Hall A**, Catalysis for pollution control (stationary)
Adsorption-catalytic VOC removal: traditional vs. microwave-assisted processes, A.V. Kucherov, I.M. Sinev, S. Ojala, R. Keiski, L.M. Kustov, Zelinsky Institute of Organic Chemistry, Speaker Alexei Kucherov

- 12:10 O6-8, Hall C**, Catalysis by enzymes
Enzymatic Preparation of Sterically Congested Enantiopure Cyanohydrins, Ulf Hanefeld, Technische Universiteit Delft, Speaker Ulf Hanefeld
- 12:10 O7-4, Auditorium 1**, Polymerization
Theoretical studies on hafnocene-catalyzed ethene polymerization: the influence of the ligand structure, Virve Karttunen, Mikko Linnolahti, Tapani Pakkanen, Janne Maaranen, John Severn, Päivi Pitkänen, University of Joensuu, Speaker Virve Karttunen
- 12:30 O18-5, Auditorium 2**, Catalyst deactivation, regeneration and recycling
Chemical Deactivation of Commercial SCR Catalysts for NOx Abatement in Mobile Sources, P. Kern, M. Klimczak, M. Lucas, P. Claus, Darmstadt University of Technology, Speaker Paul Kern
- 12:30 K8-1, Auditorium 3**, Keynote and Plenary lectures
Challenges and Directions in Electrocatalyst Research for PEMFCs, Rainer Buřar and Ulrich Stimming, Technische Universität Muenchen, Speaker U. Stimming
- 12:30 K13-2, Hall A**, Keynote and Plenary lectures
Catalytic oxidative and reductive technologies for treatment and recycling of wastewater from industry, Michèle Besson, Institut de recherches sur la catalyse et l'environnement de Lyon, Speaker Michèle Besson
- 12:30 O6-9, Hall C**, Catalysis by enzymes
A biocatalytic cascade for safe and selective alkene epoxidation with percarboxylic acid in novel media., Aleksandra J. Kotlewska, Isabel W.C.E Arends, Roger A Sheldon, TU Delft, Speaker Aleksandra Kotlewska
- 12:30 O7-5, Auditorium 1**, Polymerization
Synthesis and Properties of Maleated Ethylene-Diene Copolymers, Ana I. Vicente, João Campos, João M. Bordado, M. Rosário Ribeiro, Instituto Superior Técnico, Speaker M. Rosário Ribeiro
- 12:50 O18-6, Auditorium 2**, Catalyst deactivation, regeneration and recycling
Activity of Palladium Catalysts in the Heck Reaction during its Recovery by Reverse Flow Adsorption Technology, T. Djekic, S.J. Bos, A. G. J. van der Ham, A. B. de Haan, Eindhoven University of Technology, Speaker Tanja Dekic
- 12:50 O6-10, Hall C**, Catalysis by enzymes
Raney Ni and Co as heterogeneous racemization catalysts and their application in the dynamic kinetic resolution of chiral amines, Andrei N. Parvulescu, Pierre A. Jacobs, Dirk E. De Vos, K.U. Leuven, Speaker Andrei Parvulescu
- 12:50 O7-6, Auditorium 1**, Polymerization
Design and development of fulvene-gamma-(di)ketonato/ketiminato zirconium olefin polymerization catalysts, B. Enk, H. Kopacka, K. Wurst, B. Bildstein, J. Maaranen, University of Innsbruck, Speaker Barbara Enk
- 13:10 Lunch**
- 14:40 Excursion to Archipelago**

Thursday 30.8

- 09:00 PL-4, Hall A**, Keynote and Plenary lectures
Molecular aspects of alkanes activation over acidic and bifunctional catalysts: insights from in situ NMR, Irina I.Ivanova, Moscow State University, Speaker Irina I.Ivanova
- 10:00 O3-1, Auditorium 1**, Surface science in catalysis
Metal-Support Interaction in Surface Reactions: Partial Oxidation and Catalytic Activity of Pd/Fe₃O₄ Model Catalyst., S. Schauerermann, B. Brandt, T. Schalow, J.-H. Fischer, J. Libuda, H.-J. Freund, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Speaker Svetlana Schauerermann
- 10:00 O12-1, Auditorium 2**, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)

- Glycerol Conversion into Lower Hydrocarbons over Modified H-ZSM-5 Catalysts*, Kazuhisa Murata, Megumu Inaba, Isao Takahara, , Speaker Murata
- 10:00 K18-2, Auditorium 3**, Keynote and Plenary lectures
New Approached to Studying Coke Formation, L. Gladden, University of Cambridge, Speaker L. Gladden
- 10:00 K16-1, Hall A**, Keynote and Plenary lectures
Engineering Aspects of Catalytic Reactions in Ionic Liquids, C. Hardacre, P. Nancarrow, D.W. Rooney, J.M. Thompson, Queen's University, Belfast, Speaker C. Hardacre
- 10:00 O2-1, Hall C**, Nanotechnology in catalysis, novel catalytic materials
Synthesis of N-containing carbon nanotubes, R. Arrigo, U. Wild, M. Lerch, R. Schlögl, D. S. Su, Fritz-Haber institute der Max-Planck-Gesellschaft society, Speaker Rosa Arrigo
- 10:20 O3-2, Auditorium 1**, Surface science in catalysis
Enhanced Bonding of Gold Nanoparticles on Oxidized TiO₂(110), S. Wendt, D. Matthey, J. G. Wang, J. Matthiesen, R. Schaub, E. Lægsgaard, B. Hammer, F. Besenbacher, University of Aarhus, Speaker Stefan Wendt
- 10:20 O12-2, Auditorium 2**, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)
Study of the deactivation of a Ni based catalyst for the reforming of a product gas from biomass gasification, S. Albertazzi, F. Basile, J. Brandin, J. Einvall, G. Fornasari, C. Hulteberg, M. Sanati, F. Trifirò, A. Vaccari, University of Bologna, Speaker Simone Albertazzi
- 10:20 O2-2, Hall C**, Nanotechnology in catalysis, novel catalytic materials
Controlled Synthesis of Carbon Nanostructures by Growth Temperature, Tiejun Zhao, Jun Zhu, Ingvar Kvande, De Chen, Xinggui Zhou, Weikang Yuan, Norwegian University of Science and Technology, Speaker Tiejun Zhao
- 10:40 Coffee break**
- 11:10 O3-3, Auditorium 1**, Surface science in catalysis
Methanol oxidation on Ru catalysts: reaction pathways and catalytically active states, R. Blume, M. Hävecker, S. Zafeirotos, D. Teschner, E.Vass, P. Schnörch, A. Knop-Gericke, R. Schlögl, S. Lizzit, P. Dudin, A. Barinov, M. Kiskinova, Fritz-Haber-Institut der MPG, Speaker Hävecker
- 11:10 O12-3, Auditorium 2**, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)
Catalytic conversion of vegetable oils into transportation fuels, David Kubicka, J. Chudoba, Pavel Simacek, VUAnCH, Speaker David Kubicka
- 11:10 K8-2, Auditorium 3**, Keynote and Plenary lectures
Alternative Catalysts for Polymer Electrolyte Fuel Cells, Piotr Zelenay, Los Alamos National Laboratory, Speaker Piotr Zelenay
- 11:10 O16-1, Hall A**, Catalytic reaction engineering (novel reactor systems and novel reaction media included)
Supported Ionic Liquid Phase (SILP) Technology – From Immobilized Catalysts to Advanced Materials, A. Riisager, R. Fehrmann, M. Haumann, P. Wasserscheid, Universität Erlangen-Nürnberg, Speaker Marco Haumann
- 11:10 K2-1, Hall C**, Keynote and Plenary lectures
The total gas-phase synthesis of hierarchical carbon nanotube composite, Martin Muhler, Ruhr-University Bochum, Speaker Martin Muhler
- 11:30 O3-4, Auditorium 1**, Surface science in catalysis
States and reactivity of oxygen species on the Pt-group metal surfaces, A.V.Matveev, C.J. Weststrate, A.A. Sametova, V.V. Gorodetskii, B.E. Nieuwenhuys, Boreskov Institute of Catalysis, Speaker A.V. Matveev
- 11:30 O12-4, Auditorium 2**, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)
Production of biodiesel from sunflower oil using heterogeneous catalysts, Lourdes Rodríguez, Ángel Pérez, Rubí Romero, María Jesús Ramos, Abraham Casas, Carmen María Fernández, University of Castilla-La Mancha, Speaker Abraham Casas
- 11:30 O16-2, Hall A**, Catalytic reaction engineering (novel reactor systems and novel reaction media included)
Mathematical modeling of formic acid oxidation in a catalytic three-phase membrane contactor, Albin Pintar, Matevž Vospernik, Gorazd Berčič, Janez Levec, National Institute of Chemistry, Speaker Albin Pintar

- 11:50 K3-1, Auditorium 1**, Keynote and Plenary lectures
Understanding Reaction Pathways on Model Catalyst Surfaces, Feng Gao, Yilin Wang, Florencia Calaza, Dario Stacchiola, Wilfred T. Tysoe, UW-Milwaukee, Speaker T. Tysoe
- 11:50 O12-5, Auditorium 2**, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)
Biodiesel Synthesis from Soybean Oil using Calcined Li-Al Layered Double Hydroxide Catalysts, J. Link Shumaker, Czarena Crofcheck, S. Adam Tackett, Eduardo Santillan-Jimenez, Mark Crocker, University of Kentucky, Speaker Mark Crocker
- 11:50 O16-3, Hall A**, Catalytic reaction engineering (novel reactor systems and novel reaction media included)
Direct Synthesis of Hydrogen Peroxide in a Catalytic Membrane Contactor, Aneta Pashkova, Karel Svajda, Roland Dittmeyer, Karl-Winnacker-Institute, Speaker Aneta Pashkova
- 11:50 O2-3, Hall C**, Nanotechnology in catalysis, novel catalytic materials
High catalytic oxidation performance of crystalline Mo₃VO_x oxides with orthorhombic and trigonal structures, Wataru Ueda, Tomokazu Kato, Nobufumi Watanabe, Takao Kuranishi, Katsunori Kodato, Takumi Fujisawa, Feng Wang, Masahiro Sadakane, Hokkaido University, Speaker Wataru Ueda
- 12:10 O12-6, Auditorium 2**, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)
Novel chitosan-based Lewis acid catalysts for transesterification of triglycerides, Natalia V. Kramareva, Alexei V. Kucherov, Olga P. Tkachenko, Leonid M. Kustov, Zelinsky Institute of Organic Chemistry, Speaker Natalia Kramareva
- 12:10 O16-4, Hall A**, Catalytic reaction engineering (novel reactor systems and novel reaction media included)
Pilot-plant study on membrane reactors for catalytic oxidation of hydrocarbons, F. Klose, T. Wolff, C. Hamel, A. Tota, D. Ahchieva, S. Heinrich, A. Seidel-Morgenstern, Otto-von-Guericke-University Magdeburg, Speaker Liisa Rihko-Struckmann
- 12:10 O2-4, Hall C**, Nanotechnology in catalysis, novel catalytic materials
Nanocrystalline cerium oxide produced by supercritical antisolvent precipitation as a support for high activity gold catalysts, Zi-Rong Tang, Jennifer K. Edwards, Jonathan K. Bartley, Stuart H. Taylor, Albert F. Carley, Andrew A. Herzing, Christopher J. Kiely, Graham J. Hutchings, Cardiff University, Speaker Graham J. Hutchings
- 12:30 O3-5, Auditorium 1**, Surface science in catalysis
CO, O₂ and CO+O₂ adsorption on PdAu(110) studied by in situ complimentary techniques (STM, PM-IRRAS, XPS, SXRD), M.A. Languille, F.J. Cadete Santos Aires, B.S. Mun, M.C. Saint-Lager, Y. Jugnet, O. Robach, P. Dolle, S. Garaudée, J.C. Bertolini, Institut de Recherches sur la Catalyse et l'Environnement de Lyon, Speaker F.J. Cadete Santos Aires
- 12:30 K12-1, Auditorium 2**, Keynote and Plenary lectures
Biobased Materials, Biorefinery and Superacid Catalysts, Mark DuPont, DuPont Central Research, Speaker Mark DuPont
- 12:30 O16-5, Hall A**, Catalytic reaction engineering (novel reactor systems and novel reaction media included)
Microreaction engineering in the reduction of biofuel emissions, J. R. Hernández Carucci, J. Sosa Pieroni, S. Bartova, K. Eränen, M. Marek, T. Salmi, D. Yu. Murzin, Åbo Akademi University, Speaker J.R. Hernandez
- 12:30 O2-5, Hall C**, Nanotechnology in catalysis, novel catalytic materials
Au(III) on nanocrystalline CeO₂ catalyses the isomerization of alkynylfurans to phenols, Silvio Carrettin, M. Carmen Blanco, Patricia Concepción, Avelino Corma, A. Stephen K. Hashmi, Universidad Politecnica de Valencia, Speaker Silvio Carrettin
- 12:50 O3-6, Auditorium 1**, Surface science in catalysis
NO-H₂ reaction over Pd and Pt crystallites : studies on the nanometer scale by Field Ion Microscopy and Pulsed Field Desorption Mass Spectrometry, T. Visart de Bocarmé, T.D. Chau, Y. De Decker, P. Gaspard, N. Kruse, Université libre de Bruxelles, Speaker Thierry Visart de Bocarmé
- 12:50 O16-6, Hall A**, Catalytic reaction engineering (novel reactor systems and novel reaction media included)
On the use of a priming washcoat to improve diffusion-reaction characteristics in structured catalysts, Nakul Thakar, Michiel T. Kreutzer, Brahim Daouairi, Freek Kapteijn, Jacob A. Moulijn, Delft University of Technology, Speaker Guido Mul
- 12:50 O2-6, Hall C**, Nanotechnology in catalysis, novel catalytic materials

Novel nanocatalysts based on coordination polymers and transition metal substituted polyoxometalates for liquid phase selective oxidations, N.V. Maksimchuk, M.N. Timofeeva, O.A. Kholdeeva, Yu.A. Chesalov, D.N. Dybtsev, V.P. Fedin, Boreskov Institute of Catalysis, Speaker Nataliya V. Maksimchuk

13:10 Lunch

14:40 O3-7, Auditorium 1, Surface science in catalysis

Hydrogen splitting on transition metals at 1 bar, M. Johansson, O. Lytken, I. Chorkendorff, Technical University of Denmark, Speaker Martin Johansson

14:40 O17-1, Auditorium 2, Photocatalysis

(12)n encapsulation inside nanovoid-structured TiO₂: a way to tune the photoactivity in the visible region, S. Usseglio, A. Damin, D. Scarano, S. Bordiga, C. Lamberti, A. Zecchina, University of Turin, Speaker Carlo Lamberti

14:40 K16-2, Auditorium 3, Keynote and Plenary lectures

Hierarchically Architected Zeolites: The Engineering Starts in the Pore, Javier Pérez-Ramírez, ICREA and Institute of Chemical Research of Catalonia, Speaker Javier Pérez-Ramírez

14:40 K11-1, Hall A, Keynote and Plenary lectures

Microstructured Reactors for Hydrogen Production, Volker Hessel, M. de Croon, G. Kolb, H. Löwe, E. Rebrov, J. Schouten, Eindhoven University of Technology, Speaker V. Hessel

14:40 O2-7, Hall C, Nanotechnology in catalysis, novel catalytic materials

Novel high-temperature-stable catalysts by encapsulating Au- and Pt-nanoparticles in MeOx hollow spheres, Michael Paul, Massimiliano Comotti, Pablo Arnal, Ferdi Schüth, Max-Planck-Institute for Coal research, Speaker Michael Paul

15:00 O3-8, Auditorium 1, Surface science in catalysis

Environmental High Resolution Electron Microscopy With a Closed Ecell: Application to Gold Catalysts, S. Giorgio, M. Cabié, G. Sitja, C.R. Henry, CNRS, Speaker Suzanne Giorgio

15:00 O17-2, Auditorium 2, Photocatalysis

Development of photocatalysts for water splitting under visible light irradiation, Akihiko Kudo, Hideki Kato, Yasuyoshi Sasaki, Nana Shirakura, Tokyo University of Science, Speaker Prof. Akihiko Kudo

15:00 O2-8, Hall C, Nanotechnology in catalysis, novel catalytic materials

Trends in Catalytic CO oxidation on Different Metal Nanoparticles, Hanne Falsig, Britt H. Larsen, Iben S. Kristensen, Thomas Bligaard, Claus Hviid Christensen, Jens K. Nørskov, DTU, Speaker Hanne Falsig

15:20 O3-9, Auditorium 1, Surface science in catalysis

NO₂ Chemistry on BaO/γ-Al₂O₃/NiAl(110) Model NO_x Storage Materials, Cheol-Woo Yi, Charles H.F. Peden, Janos Szanyi, Pacific Northwest National Laboratory, Speaker Janos Szanyi

15:20 O17-3, Auditorium 2, Photocatalysis

New synthesis of excellent visible-light TiO₂-xNx photocatalyst by a simple method, Hanjie Huang, Danzhen Li, Xu Chen, Xianzhi Fu, Fuzhou University, Speaker Danzhen Li

15:20 O11-1, Hall A, The Hydrogen Society (hydrogen production and storage)

Molybdenum carbide coatings prepared by electrochemical synthesis in molten salts for application in microstructured fuel processors, E.V. Rebrov S.A. Kuznetsov, A.R. Dubrovskiy, M.H.J.M. de Croon, J.C. Schouten, Eindhoven University of Technology, Speaker E.V. Rebrov

15:20 K2-2, Hall C, Keynote and Plenary lectures

Nanostructure Processing of Advanced Catalytic Materials, J. Y. Ying, Institute of Bioengineering and Nanotechnology, Singapore, Speaker J. Y. Ying

15:40 O3-10, Auditorium 1, Surface science in catalysis

Surface-Mediated Visible-Light Photo-Oxidation on a TiO₂(001) Surface, H. Ariga, T. Taniike, M. Tada, K. Watanabe, Y. Matsumoto, S. Ikeda, K. Saiki, Y. Iwasawa, The University of Tokyo, Speaker Yasuhiro Iwasawa

15:40 O17-4, Auditorium 2, Photocatalysis

Separate Evolution of H₂ and O₂ from H₂O Using a Visible Light-Responsive TiO₂ Thin Film Photocatalyst under Sunlight Irradiation, Masakazu Anpo, Masaaki Kitano, Masaya Matsuoka, Masato Takeuchi, Michio Ueshima, Osaka Prefecture University, Speaker Masakazu Anpo

15:40 O11-2, Hall A, The Hydrogen Society (hydrogen production and storage)

New Electrocatalysts for the Hydrogen Evolution Reaction, Surface alloys and Metal sulfides., Jacob Bonde, Thomas F. Jaramillo, Jeff Greeley, Kristina P. Jørgensen, Jane H. Nielsen, Sebastian Horch, Jens K. Nørskov, Ib Chorkendorff, Technical University of Denmark, Speaker Jacob Bonde

16:00 Coffee break

16:30 K3-2, Auditorium 1, Keynote and Plenary lectures

Olefin Polymerization on Flat Model Catalyst, Peter C. Thüne, Eindhoven University of Technology, Speaker Peter C. Thüne

16:30 O17-5, Auditorium 2, Photocatalysis

New photoactive mesostructured inorganic-organic hybrids based on siliceous materials and trytil cations, María J. Sabater, Avelino Corma, M^a Teresa Navarro, Fernando Rey, Violeta Rodríguez, Universidad Politécnica de Valencia, Speaker Maria J. Sabater

16:30 K12-2, Auditorium 3, Keynote and Plenary lectures

Utilizing Ionic Liquids for Access to and Modification of Bio-renewable Polymers, Robin D. Rogers, Mustafizur Rahman, Ning Sun, Mirela L. Maxim, Guillermo Moyna, Patrick Moyna, The University of Alabama, Speaker R. Rogers

16:30 O11-3, Hall A, The Hydrogen Society (hydrogen production and storage)

Effect of impurities present in raw bioethanol on the performances of a Rh/MgAl₂O₄ catalyst for hydrogen production, Anthony Le Valant, Anthony Garron, Nicolas Bion, Florence Epron, Daniel Duprez, Laboratoire de Catalyse en Chimie Organique, Speaker Nicholas Bion

16:30 O2-9, Hall C, Nanotechnology in catalysis, novel catalytic materials

Spatially resolved UV-Vis micro-spectroscopy: A physicochemical study on the preparation of metal-ion supported catalysts, Leticia Espinosa Alonso, Krijn P. de Jong, Bert M. Weckhuysen, Utrecht University, Speaker Leticia Espinosa Alonso

16:50 O17-6, Auditorium 2, Photocatalysis


Preparation of Titanium Oxide from Sludge Produced by Flocculation of Wastewater, H.K. Shon, J.B. Kim, G.J. Kim, G.-S. Lee, D.L. Cho, J.-H. Kim, Chonnam National University, Speaker Dr. Jong-Ho Kim

16:50 O11-4, Hall A, The Hydrogen Society (hydrogen production and storage)

Hydrogen Production from Ethanol over Ir/CeO₂ catalysts: Reaction Pathway and Stability, Weijie Cai, Baocai Zhang, Qiying Liu, Yide Xu, Wenjie She, Dalian Institute of Chemical Physics, Speaker Wenjie Shen

16:50 O2-10, Hall C, Nanotechnology in catalysis, novel catalytic materials

Size and Shape Control of AlOOH Boehmite Nanoparticles, Toward Enhanced gamma-Alumina Catalyst Supports David Chiche

17:10-19:00 Poster session III, Session 2, 3, 11, 12, 17, 16, Refreshments partially sponsored by  HyTest Ltd

21:00 Banquet, Partially sponsored by



Young Scientist Party

Friday 31.8

09:00 PL-5, Hall A, Keynote and Plenary lectures

Catalytic Production of Fuels and Chemicals from Biomass-derived Oxygenated Hydrocarbons, James A. Dumesic, University of Wisconsin, Speaker James A. Dumesic

10:00 O2-11, Auditorium 1, Nanotechnology in catalysis, novel catalytic materials

Structure and reactivity of chromocene confined into nanovoids with a different polarity: a spectroscopic and theoretical investigation, Elena Groppo, Jane Estephane, Alessandro Damin, Jenny G. Vitillo, Carlo Lamberti, Silvia Bordiga, Adriano Zecchina, University of Turin, Speaker Elena Groppo

10:00 O17-7, Auditorium 2, Photocatalysis

Present Challenges for Photocatalysis in Green and Environmental Chemistry, J.M Herrmann, E. Puzenat, C.Guillard, IRCELYON - Université de Lyon, Speaker J.M. Herrmann

10:00 O12-7, Auditorium 3, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)

Oxygenates from bioethanol and glycerol as diesel fuel additives, S. Pariente, N. Tanchoux, S.Perathoner, G. Centi, F. Fajula, Messina University, Speaker Siglinda Perathoner

10:00 K11-2, Hall A, Keynote and Plenary lectures

Catalytic Autothermal Reforming of Renewable Fuels at Millisecond Times, L. Schmidt, University of Minnesota, Speaker L. Schmidt

10:20 O2-12, Auditorium 1, Nanotechnology in catalysis, novel catalytic materials

Catalysts with ionic liquid mediated metal nano-particles, R. T. Knapp, T. E. Müller, J. A. Lercher, Technische Universität München, Speaker Thomas E. Müller

10:20 O17-8, Auditorium 2, Photocatalysis

UV-A photocatalytic oxidation as a global process for air decontamination. Bactericidal, sporicidal and virucidal properties, Sébastien Josset, Jérôme Taranto, Marie-Claire Lett, Nicolas Keller, Valérie Keller, Louis Pasteur University, Speaker Valérie Keller

10:20 O12-8, Auditorium 3, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)

Highly Selective Conversion of Ethanol into Lower Olefins over Nickel Ion-Loaded Mesoporous Silica MCM-41, Kouji Kasai, Teruki Haishi, Masakazu Iwamoto, Tokyo Institute of Technology, Speaker Kouji Kasai

10:40 Coffee break

11:10 K2-3, Auditorium 1,

Gold Nanoparticles for Catalysis, Catherine Louis, Université Pierre et Marie Curie, Speaker Catherine Louis

11:10 O17-9, Auditorium 2, Photocatalysis

Production of Hydrogen by Photo-Induced Reforming of Organic Pollutants at Room Temperature, A. Patsoura, D.I. Kondarides, X.E. Verykios, University of Patras, Speaker Dimitris Kondarides

11:10 O12-9, Auditorium 3, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)

Conversion of H₂-deficient syngas to methanol and dimethyl ether on Cu-ZnO-Al₂O₃ : Effects of aging time in catalyst preparation, Jong-Wook Bae, Suk-Hwan Kang, H. S. Potdar and Ki-Won Jun*, Korea Research Institute of Chemical Technology, Speaker Ki-Won Jun

11:10 O11-5, Hall A, The Hydrogen Society (hydrogen production and storage)

H₂ Production Over A Pt/CeO₂ Water-Gas Shift Catalyst: Evidence That The Formates Seen By DRIFT Are Not Key Reaction Intermediates, F. C. Meunier, S. Shekhtman, A. Goguet, C. Hardacre, R. Burch, Queen's University Belfast, Speaker Frederic Meunier

11:30 O17-10, Auditorium 2, Photocatalysis

New strategies for the preparation of supported photocatalysts for air purification, Silvia Suárez, Juan M. Coronado, Raquel Portela, Juan C. Martín, Pedro Avila, Benigno Sánchez, CIEMAT, Madrid, Speaker Silvia Suarez

11:30 O12-10, Auditorium 3, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)

- Development of zirconia catalysts for hot gas cleanup*, A. Solla, P. Simell, I. Hiltunen, M. Reinikainen, H. Rönkkönen, O. Krause, H. Bradshaw, H. Stephenson, G. Monks, Helsinki University of Technology, Speaker Anu Solla
- 11:30 O11-6, Hall A**, The Hydrogen Society (hydrogen production and storage)
Operando DRIFTS-Mass Spectroscopy Studies of the Water-Gas Shift Reaction over Alumina-supported Noble Metal Catalysts, C.M. Kalamaras, G.G. Olympiou, C.D. Zeinalipour-Yazdi, A.M. Efstathiou, University of Cyprus, Speaker Angelos M Efstathiou
- 11:50 O2-13, Auditorium 1**, Nanotechnology in catalysis, novel catalytic materials
Enhanced Cooperative, Catalytic Behavior of Organic Functional Groups by Immobilization, Véronique Dufaud, Ryan K. Zeidan, Mark E. Davis, CNRS, Speaker Véronique Dufaud
- 11:50 K17-1, Auditorium 2**, Keynote and Plenary lectures
Photocatalytic Surface Coatings: Mechanistic Aspects and Activity Measurements, Detlef Bahnemann, Leibniz Universitaet Hannover, Speaker Detlef Bahnemann
- 11:50 O12-11, Auditorium 3**, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)
Steam reforming of acetic acid in the presence of highly active Rh catalysts supported on CeO₂-ZrO₂, Ekaterini Ch. Vagia, Angeliki A. Lemonidou, Aristotle University of Thessaloniki, Speaker Ekaterini Ch. Vagia
- 11:50 O11-7, Hall A**, The Hydrogen Society (hydrogen production and storage)
Low temperature hydrogen production from methane on cerium and nickel based oxyhydrides., Louise Jalowiecki-Duhamel, Hanan Zarrou, Alain D'Huysser, Unité de Catalyse et de Chimie du Solide, Speaker Louise Duhamel
- 12:10 O2-14, Auditorium 1**, Nanotechnology in catalysis, novel catalytic materials
ECS-Materials: Synthesis and Characterization of a New Class of Crystalline Organic-Inorganic Hybrid Alumino-Silicates, G. Bellussi, A. Carati, U. Díaz, R. Millini, W.O. Parker, Jr., C. Rizzo, S. Zanardi, Eni S.p.A. Refining & Marketing Division, Speaker Giuseppe BELLUSSI
- 12:10 O12-12, Auditorium 3**, Catalysis in the conversion of renewable resources (biofuels, catalysis for sustainable developments)
Production of Olefins from Ethanol by Iron-Supported Zeolite Catalysts, Megumu Inaba, Kazuhisa Murata, Masahiro Saito, Isao Takahara, National Institute of Advanced Industrial Science and Technology (AIST), Speaker K. Murata
- 12:10 O11-8, Hall A**, The Hydrogen Society (hydrogen production and storage)
RhPt catalyst performance in autothermal reforming of hydrocarbon mixtures and commercial diesel in the presence of sulfur compounds, R.K. Kaila, A. Gutierrez, A.O.I. Krause, Helsinki University of Technology, Speaker Reetta Kaila
- 12:30 O2-15, Auditorium 1**, Nanotechnology in catalysis, novel catalytic materials
The inconsistency in measured and expected adsorption properties of metal organic frameworks, exemplified by MOF-5, Jasmina Hafizovic, Morten Bjørgen, Unni Olsbye, Pascal D. C. Dietzel, Silvia Bordiga, Carmelo Prestipino, Carlo Lamberti, Karl Petter Lillerud, University of Oslo, Speaker Jasmina Hafizovic
- 12:30 K17-2, Auditorium 2**, Keynote and Plenary lectures
Photocatalytic Reactors for Air Purification: Development and Application, D. Kozlov, A. Vorontsov, V. Parmon, Boreskov Institute of Catalysis, Speaker D. Kozlov
- 12:30 K12-3, Auditorium 3**, Keynote and Plenary lectures
Converting Lignocellulose to fuels and chemicals, Jean-Paul Lange, Shell Global Solutions, Speaker Jean-Paul Lange
- 12:30 O11-9, Hall A**, The Hydrogen Society (hydrogen production and storage)
Hydrogen production via steam reforming of methanol over novel CuCeZrY-based catalysts, P. Yaseneva, S. Pavlova, V. Sadykov, V. Rogov, S. Badmaev, S. Belochapkin, J.R.H. Ross, Boreskov Institute of Catalysis, Speaker S.N.Pavlova
- 12:50 O2-16, Auditorium 1**, Nanotechnology in catalysis, novel catalytic materials
A surfactant-assisted preparation of well-dispersed rhodium nanoparticles within the pore of Al-SBA-15 : characterisation and use in catalysis, Maya Boutros, Audrey Nowicki, Alain Roucoux, Franck Launay, Antoine Gédéon, Université Paris VI, Speaker Franck Launay
- 12:50 O11-10, Hall A**, The Hydrogen Society (hydrogen production and storage)
State-of-the-art Indirect Hydrogen Storage in Metal Ammines, Claus H. Christensen, Rasmus Z. Sørensen, Asbjørn Klerke, Ulrich Quaade, Jens K. Nørskov, Technical

University of Denmark, Speaker Claus Hviid Christensen

13:10 Lunch

14:00 Boudart lecture, Hall A, Keynote and Plenary lectures

Probing Catalyst Structure-Performance Relationships through Studies of Reaction Mechanism and Kinetics, Alexis T. Bell, University of California, Berkeley, Speaker
Alexis T. Bell

Closing ceremony, Hall A,