

SUNDAY, 3.09	
14.00-21.00	Registration Open
19.00-21.00	Welcome Party

MONDAY, 4.09		
9.00-9.15	Małgorzata Witko	Opening Ceremony
9.15-10.00	Robert Schlögl (Germany)	Chemical dynamics of selective oxidation catalysts
10.00-10.35	Wataru Ueda (Japan)	Atomic scale analysis of complex metal oxides and molecular level understanding of catalytic selective oxidation with molecular oxygen
10.35-11.05	COFFEE	
11.05-11.50	Israel Wachs (USA)	Catalysis science of oxidation reactions by mixed metal oxides
11.50-12.25	Georgiy B. Shul'pin (Russia)	Oxidations catalyzed by polynuclear transition metal (Cu, Fe, Co etc.) complexes in Si- or Ge-sesquioxane frameworks
12.25-13.00	Ive Hermans (USA)	Selective oxidative dehydrogenation of alkanes using boron nitride
13.00-14.30	LUNCH	
14.30-15.05	Edouard Mamedov (Sabic)	Reaction engineering approaches in selective oxidation of alkanes
15.05-15.40	Vicente Cortes Corberan (Spain)	Oxidation reactions of higher alcohols in green chemistry
15.40-16.15	Michael Bowker (UK)	Hunting for the active sites in methanol oxidation
16.15-16.45	COFFEE	
16.45-17.20	Adam Lee (UK)	Nanostructured catalysts for spatiotemporal control over chemoselective aerobic oxidations
17.20-17.55	Oksana Kholdeeva (Russia)	H ₂ O ₂ -based selective oxidations: Nb(V) versus Ti(IV)
17.55-18.30	Sang-Eon Park (Korea)	Carbon dioxide as oxidant for hydrogen abstract from hydrocarbons
18.30	Walking tour: Kraków by night (Kazimierz district, tour included in the conference fee)	

TUESDAY, 5.09		
9.00-9.45	Gabriele Centi (Italy)	Needs in novel catalysts design for selective oxidation to address the challenges by energy transition
9.45-10.20	Fabrizio Cavani (Italy)	Selective oxidation of renewables to carboxylic acids: updates and perspectives
10.20-10.50	COFFEE	
10.50-11.35	Graham Hutchings (UK)	Oxidation catalysis using new nanomaterial catalysts
11.35-12.10	Tamao Ishida (Japan)	Palladium and gold-nanoparticle-catalyzed oxidative C-H functionalization

12.10-12.45	Christopher Russell (UK)	Homogeneous gold catalysed oxidative direct arylation
12.45-14.30	LUNCH	
SECTION A		
14.30-14.45	Christian Hess (Germany)	New insights into the role of defects in supported gold catalysts: Combined operando spectroscopy and DFT-based interpretation
14.45-15.00	Wenjie Shen (China)	Chemical nature of size-dependence of gold nanoparticles dispersed on rod-shaped Fe ₂ O ₃ for CO oxidation
15.00-15.15	Qihua Yang (China)	One-pot fabrication of yolk-shell nanospheres with ultra-small Au nanoparticles for catalysis
15.15-15.30	Baira Donoeva (the Netherlands)	Synergy between Au and Ag in the aerobic oxidation of 5-hydroxymethylfurfural
15.30-15.45	Camila Ferraz (Brazil)	Effect of Au on Pd@Au nanoparticles for green oxidation of benzyl alcohol
15.45-16.00	Bo-Qing Xu (China)	Selectivity control of aerobic glycerol oxidation in water over supported Au catalyst
16.00-16.15	Andrey Boronin (Russia)	Pt/CeO ₂ catalysts for low-temperature CO oxidation: Elusive role of ionic Pt
16.15-16.45	COFFEE	
16.45-17.00	Gloria Berlier (Italy)	Comparing small and large pore Cu-zeolites for the partial oxidation of methane to methanol an operando spectroscopic study
17.00-17.15	Zhao-Hui Zhou (China)	Thermal decompositions of alkaline earth lanthanum ethylenediaminetetraacetates for the catalysts of oxidative coupling of methane
17.15-17.30	Victor Bychkov (Russia)	Effect of Pd oxidation state on its catalytic activity in alkane oxidation
17.30-17.45	Joanna Łojewska (Poland)	Operando spectroscopic studies on methane oxidation over Pd, Fe, Co, Ni oxides supported catalysts
17.45-18.00	Dominik Seeburg (Germany)	A highly productive V/ZnO-SiO ₂ catalyst for the selective oxidation of methane to formaldehyde
18.00-18.15	Dmitry Doronkin (Germany)	Pt-based catalysts made by flame spray pyrolysis for catalytic partial oxidation of methane
18.15-18.30	Etibar Ismailov (Azerbaijan)	Oxidative dehydrocyclization of methane over ReOx/alumina catalysts
SECTION B		
14.30-14.45	Chih-Cheng Liu (Taiwan)	An efficient catalyst for the conversion of methane into methanol under ambient conditions
14.45-15.00	Dmitrii Osadchii (the Netherlands)	Designing metal-organic framework catalysts for the mild oxidation of methane
15.00-15.15	Ha Vu Le (Germany)	Activity and catalyst characterization of solid-state ion-exchanged Cu/mordenite for direct production of methanol from methane and oxygen
15.15-15.30	Shuang Gao (China)	Reaction-controlled phase transfer catalysis for epoxidation of allyl chloride

15.30-15.45	Jeroen Van den Reijen (the Netherlands)	Effect of support on the selectivity in the Ag-catalyzed epoxidation of ethylene
15.45-16.00	Martin S.C. Chan (United Kingdom)	Epoxidation of ethylene via chemical looping
16.00-16.15	Dalmo Mandelli (Brazil)	Epoxidation of alkenes with H ₂ O ₂ using nanostructured Ga ₂ O ₃ and Al ₂ O ₃ as catalysts
16.15-16.45	COFFEE	
16.45-17.00	Maria Grabchenko (Russia)	Influence of order of silver and ceria introduction to silica surface on activity of Ag-CeO ₂ /SiO ₂ catalysts in selective oxidation of ethanol
17.00-17.15	Paweł Lisowski (Poland)	Preparation and characterization of highly functional biochar-based support for TiO ₂ sustainable gaseous selective oxidative esterification of methanol to methyl formate
17.15-17.30	Stanislaw Dzwigaj (France)	The design of V-single site zeolite catalysts for application in methanol oxidation and oxidative dehydrogenation of propane to propene
17.30-17.45	Joanna Wiśniewska (Poland)	Methanol oxidation over Pt-Ag bimetallic catalysts- the effect of bimetallic structure on catalytic activity
17.45-18.00	Evgenii Kondratenko (Germany)	The role of water in oxidative coupling of methane: Now antioxidant
18.00-18.15	Jose M. Lopez Nieto (Spain)	KIT-6 supported tungsten oxide bronzes for one-pot glycerol oxidehydration
18.15-18.30	Viktoriiia Torbina (Russia)	Propylene glycol selective oxidation with peroxides over Cr- and Zr-containing metal-organic frameworks
SECTION C		
14.30-14.45	Joanna Piotrowska (Poland)	Synthetic and post-synthetic modifications of Mg/Al hydrotalcite-like materials used as catalyst for Baeyer-Villiger oxidation of cyclohexanone with H ₂ O ₂
14.45-15.00	Viorica Parvulescu (Romania)	Influence of synthesis conditions on activity of PtCeTi-modified SBA-15 catalysts for oxidation of organic compounds
15.00-15.15	Roman Dziembaj (Poland)	Nanocomposite Co _x Ce _{1-x} O _y /α-Al ₂ O ₃ catalysts for low-temperature total oxidation of methanol
15.15-15.30	Helena Kaper (France)	Room temperature oxidation of volatile organic compounds – influence of support material
15.30-15.45	Patrick Gelin (France)	Catalytic combustion of polycyclic aromatic hydrocarbons PAH on proton-exchanged zeolites
15.45-16.00	Jordi Llorca (Spain)	Ambient pressure XPS of soot oxidation on nanoshaped ceria
16.00-16.15	Siwela Baloyi (South Africa)	Preparation of novel Al/Cr pillared clays catalyst for odeling wet oxidation of phenol effect of ultrasonic time
16.15-16.45	COFFEE	

16.45-17.00	Diana Julião (Portugal)	Novel active catalytic systems based on CpMo(CO) ₃ R complexes for oxidative desulfurization
17.00-17.15	Farhad Banisharif Dehkordi (Iran)	Highly catalytic oxidative desulfurization and denitrogenation of diesel using anchored-silica-gel vanadium-substituted Dawson-type polyoxometalate
17.15-17.30	Jon Ander Onrubia (Spain)	La _{1-x} Sr _x BO ₃ (with B=Co or Mn) perovskites rival Platinum catalysts for oxidation reactions in diesel engines
17.30-17.45	Andrzej Kotarba (Poland)	Enhancement of electrodonor properties of transition metal oxides by alkali promotion as a guideline for catalytic activity in soot oxidation
17.45-18.00	Marco Piumetti (Italy)	Ce-Pr and Pt/Ce-Pr oxide catalysts for Nox-assisted soot oxidations
18.00-18.15	Saburo Hosokawa (Japan)	Three-way catalytic reaction over Mn-modified hexagonal YbFeO ₃
18.15-18.30	Susana Ribeiro (Portugal)	Catalytic Mesoporous silica composites to prepare sulfur-free fuels
18.30-20.00	POSTER SESSION with snacks	

WEDNESDAY, 6.09

9.00-9.45	Anne Gaffney (USA)	Selective oxidation of light alkanes
9.45-10.20	Constantinos G. Vayenas (Greece)	Promotional rules of oxidation catalysis
10.20-10.50	COFFEE	
10.50-11.35	Maciej Szaleniec (Poland)	Molybdenum oxidoreductases –regio- and enantioselective hydroxylation of organic compounds
11.35-12.10	Melanie Hall (Austria)	Biocatalytic C-H Oxo-Functionalization
12.10-12.45	R.J.M. (Bert) Klein Gebbink (The Netherlands)	Bio-inspired homogeneous oxidation catalysis: from non-heme iron enzymes to practical oxidation catalysts
12.45-14.30	LUNCH	
SECTION A		
14.30-14.45	Klemm Elias (Germany)	Partial oxidation of o-xylene to phthalic anhydride on V ₂ O ₅ /TiO ₂ . Promotor effects of K, Sn and W
14.45-15.00	Oliver Richter (Germany)	Improved Vo _x /TiO ₂ partial oxidation catalysts by doping Anatase
15.00-15.15	Marco Giulio Rigamonti (Canada)	Vanadium pyrophosphate catalyst: Core-shell morphology and attrition resistance
15.15-15.30	Sebastian Böcklein (Germany)	The structure of the active surface of ternary vanadium phosphorous oxide (VPO) catalysts
15.30-15.45	Christian Schulz (Germany)	Multinary vanadium tungsten phosphates with αII-VOPO ₄ and ReO ₃ structure – Novel catalysts for the selective oxidation of n-butane to maleic anhydride

15.45-16.00	Claudia Bandinelli (Italy)	One-pot oxidehydration of propylene glycol into propionic acid on vanadium containing catalysts
16.00-16.30	COFFEE	
16.30-16.45	Daniel Markus Melzer (Germany)	A novel hydrothermal synthesis route towards M1-MoVTenb oxide catalyst with unprecedented activity in ethane ODH
16.45-17.00	Sarah Petit (France)	Synergistic effects between V-hydroxy/oxy-apatites and Ca ₂ V ₂ O ₇ for selective oxidative dehydrogenation of propane
17.00-17.15	Gregor Koch (Germany)	Lanthanum manganese oxide catalysts in the oxidation of propane and the effect of H ₂ O in the feed
17.15-17.30	Teng Fu (Germany)	Morphology dependency in alkane oxidation over CeO ₂
17.30-17.45	Daniel Delgado (Spain)	Studies on the redox properties of promoted NiO catalysts for the oxidative dehydrogenation ODH of ethane
17.45-18.00	Etibar Ismailov (Azerbaijan)	Liquid Phase Hydroxylation of Benzene to Phenol in the Presence of MoO _x /TiO ₂ Catalysts
SECTION B		
14.30-14.45	Tatiana Bugrova (Russia)	Oxidative dehydrogenation of ethane with CO ₂ over CrO _x catalysts supported on Al ₂ O ₃ , ZrO ₂ , CeO ₂ and Ce _x Zr _{1-x} O ₂
14.45-15.00	Margit Winkler (Austria)	Enzymatic oxidations for the preparation of drug metabolites
15.00-15.15	Olga Vodyankina (Russia)	Selective oxidation of CO in the presence of propylene over Ag/SiO ₂ catalysts
15.15-15.30	Marco Piumetti (Italy)	Study of Ce-Pr-Zr oxide nanocatalysts effect of the foreign metals and nanostructures on the catalytic oxidation activity
15.30-15.45	Elisabete C.B.A. Alegria (Portugal)	Mechanochemical synthesis of nanomaterials and application in oxidation reactions
15.45-16.00	Konstantin Bryliakov (Russia)	Asymmetric C-H Oxidation of Arylalkanes and Kinetic Resolution of Secondary Alcohols in the Presence of Chiral Bioinspired Mn Aminopyridine Complexes
16.00-16.30	COFFEE	
16.30-16.45	Ewa Nowicka (United Kingdom)	Selective oxidation of polynuclear aromatic hydrocarbons using ruthenium ion catalyzed oxidation
16.45-17.00	Christian M. Pichler (Germany)	Oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over high surface area ZrO ₂ supported ruthenium catalysts
17.00-17.15	Izabela Nowak (Poland)	Mesoporous niobosilicates and organoniobosilicates as catalysts in hydroxylation of phenol under mild liquid phase conditions
17.15-17.30	Dalmo Mandelli (Brazil)	Oxidation of alcohols catalyzed by Fe(III)-H ₂ O ₂ : Effect of the solvent and Co-catalysts

17.30-17.45	Iunia Podolean (Romania)	SCILLs as selectivity catalysts for the oxidation of aromatic alcohols
17.45-18.00	Davide Carnevali (Canada)	6-C sugars to 6-C carboxylic acids
SECTION C		
14.30-14.45	Pavel Topka (Czech Republic)	Au/Ce _{0.5} Zr _{0.5} O ₂ monoliths for air purification: effect of preparation method
14.45-15.00	Tuomas K. Nevanperä (Finland)	The effect of Au on Pt catalysts supported on alumina and ceria-alumina in the oxidation of dichloromethane
15.00-15.15	Lidia Ruiz Rodríguez (Spain)	Gas phase partial oxidation of H ₂ S to sulfur over vanadium bronzes catalysts
15.15-15.30	Ziyi Zhong (Singapore)	Novel supported metal catalysts for selective oxidation of 5-hydroxymethyl-furfural (HMF) and photocatalytic decomposition of dyes
15.30-15.45	Franck William Boyom Tatchemo (Cameroon/Belgium)	Catalytic activity of plasma-synthesized MnO ₂ for bleaching/degradation of Tartrazin Yellow.
15.45-16.00	Huai-Yong Zhu (Australia)	Oxidation of organic compounds via direct photocatalysis of metal nanoparticles under mild conditions
16.00-16.30	COFFEE	
16.30-16.45	Carlos Granadeiro (Portugal)	Polyoxometalate-based catalysts for the oxidative desulfurization of fuels
16.45-17.00	Irena Efremenko (Israel)	Inner-sphere dioxygen oxidation of reduced polyoxometalates. Theory and experiment in concert
17.00-17.15	Vladislav Sadykov (Russia)	Mechanism of ethanol selective oxidation into syngas on MnCr ₂ O ₄ spinel promoted by Pt/Ni+Ru
17.15-17.30	Alexis Sangnier (France)	Experimental and kinetic multi-scale modeling study of oxygen adsorption on Pt ₁₃ /γ-Al ₂ O ₃ clusters
17.30-17.45	Dorothee Berthomieu (France)	DFT study of H ₂ O and NH ₃ coordination capacity at oxidized CuII-SSZ-13
17.45-18.00	Renata Tokarz-Sobieraj (Poland)	Oxygen adsorption and activation on metal center in modified Keggin Anion. DFT Calculations.
19.00	BANQUET (Folwark Zalesie, bus transport from Galaxy hotel)	

THURSDAY, 7.09

SECTION A

9.00-9.15	Satoshi Ishikawa (Japan)	Synthesis of crystalline microporous Mo-V-Bi oxide for selective amm oxidation of light alkanes
9.15-9.30	Dominik Ohlig (Germany)	Mechanistic studies on the selective oxidation of α,β -unsaturated aldehydes to the corresponding acids on Mo/V/W-mixed oxides

9.30-9.45	Olga Vodyankina (Russia)	Silica-supported Fe-Mo-O and FePO ₄ catalysts for selective oxidation of propylene glycol
9.45-10.00	Ekaterina Matus (Russia)	Control of Ni/Ce _{1-x} M _x O _y catalyst activity in oxidative autothermal reforming of ethanol via the selection of dopant M=Gd, La, Mg
10.00-10.15	Matteo Tonelli (France)	Revisiting Multicomponent FeMoTeO Catalysts for the Mild Oxidation of Propene to Acrolein.
10.15-10.30		
10.30-11.00	COFFEE	
11.00-11.15	Mikhail Sinev (Russia)	Oxygen pathways in oxidative coupling of methane and related processes
11.15-11.30	Alexander Bedilo (Russia)	The role of oxygen radicals in oxidative dehydrogenation over supported vanadia catalysts
11.30-11.45	Franck Launay (France)	Influence of the nature of mesoporous supports on the catalytic activity of covalently grafted polyoxometalates in H ₂ O ₂ -based epoxidation
11.45-12.00	Dmitry Doronkin (Germany)	Operando XAS study of a Pd/TiO ₂ catalyst in the direct synthesis of H ₂ O ₂
12.00-12.15	Mikhail Salaev (Russia)	Towards the role of rhenium in silver-catalyzed ethylene epoxidation
12.15-12.30	Olga Kasaikina (Russia)	Catalysis of radical reactions via mixed micelles of cationic surfactants with hydroperoxides
12.30-12.45	Armen Hambardzumyan (Armenia)	Catalytic decomposition of hydroperoxides in the interface between LDPE film and thin ZnO coating two pathways for termination of chain oxidation
12.45-13.00	Pablo Hernández-Arango (Germany)	Simulation and effect of gas phase reactions during catalytic ammonia oxidation
SECTION B		
9.00-9.15	Axel Löfberg (France)	Ni, Co, Fe supported on ceria and zirconia doped ceria for chemical looping dry reforming of methane
9.15-9.30	Jose Ramon Fernandez (France)	Study of the Cu/CuO chemical loop for the calcination of CaCO ₃ in a fixed bed reactor
9.30-9.45	Hualiang Zuo (Germany)	Selective oxidation of methane to formic acid in a micro fixed bed reactor
9.45-10.00	Carlos Alberto Carrero (USA)	Supported two- and three-dimensional vanadium oxide species VO _x on the surface of beta-SiC
10.00-10.15	Salette Balula (Portugal)	Sustainability versus efficiency of oxidative desulfurization processes
10.15-10.30	Alexey Kornienko (Russia)	Non-Waste and Energy-Efficient Solution on Industrial Disposal of Ammonia
10.30-11.00	COFFEE	
11.00-11.15	Alexey Pestryakov (Russia)	Selective oxidation of alkanols on supported nano gold catalysts: Effect of metal content

11.15-11.30	Stefania Solmi (Italy)	Au/AC-based catalysts for D-glucose oxidation to glucaric acid
11.30-11.45	Lukasz Wolski (Poland)	The interactions between components of gold catalysts supported on Nb ₂ O ₅ and ZnNbO _x and their activity/selectivity in methanol oxidation
11.45-12.00	Cristina Megías Sayago (Spain/Italy)	Which is the support contribution to gold catalyst activity for FDCA production
12.00-12.15	Michael Stockenhuber (Australia)	The effect of extraneous chemical impurities on the epoxidation of functionalized olefins
12.15-12.30	Thomas Turek (Germany)	Process intensification of n-butane oxidation to maleic anhydride in a milli-structured reactor
12.30-12.45		
12.45-13.00		
SECTION C		
9.00-9.15	Jean-Yves Piquemal (France)	Pure and noble metal-decorated cobalt nanoparticles for the acceptor-less dehydrogenation of alcohols: a comparison study.
9.15-9.30	Sebastian Wohlrab (Germany)	Porous glass as support for methane oxidation catalysts
9.30-9.45	Stéphane Siffert (France)	CoCuAl mixed oxide resistance to NO-H ₂ O in CO oxydation
9.45-10.00	Renaud Cousin (France)	Total oxidation of VOC and CO on Co-Fe-Al mixed oxide prepared by LDH way
10.00-10.15	Izabela S.Pieta (Spain)	Syngas production over Ni-V catalysts experimental vs. Model data
10.15-10.30		
10.30-11.00	COFFEE	
11.00-11.15	Andoni Choya (Spain)	Catalytic oxidation of methane from CNG engines over Co ₃ O ₄ and Co ₃ O ₄ /Al ₂ O ₃
11.15-11.30	Edyta Tabor (Czech Republic)	Active species for N ₂ O decomposition and CH ₄ oxidation in Fe-ferrierites – FTIR and Mössbauer studies
11.30-11.45	Ines Reyero (Spain)	Catalytic partial oxidation of methane to syngas using Co-based catalysts
11.45-12.00	Min Woo Lee (Republic of Korea)	Enhanced activity and sintering-resistance of SiO ₂ @Pd@CeO ₂ catalyst for total oxidation of CO and C ₃ H ₆
12.00-12.15	Cynthia Abou Serhal (Liban/France)	Propene total oxidation over Co-Mg/Al-Fe mixed oxides synthesized via hydrotalcite route
12.15-12.30	Sholpan S. Itkulova (Kazakhstan)	Steam dry and combined reforming of methane over Co-Rh alumina supported catalysts
12.30-12.45	Géraldine Ferré (Germany)	In situ characterizations of Pt/CeO ₂ during lean/rich sequences
12.45-13.00	Giuliana Ercolino (Italy)	Open cell foams Pd/Co ₃ O ₄ /ZrO ₂ catalyst for the lean combustion of methane
13.00-14.00	LUNCH	
14.00	FACULTATIVE EXCURSIONS (according to schedule)	

FRIDAY, 8.09

9.00-9.35	Miguel Banares (Spain)	Operando approaches to understanding structure-activity relationships in oxide catalysts for oxidation and of C ₂ and C ₃ molecules
9.35-10.10	Angelika Brueckner (Germany)	Mechanism of homogeneous catalytic alcohol oxidation explored by a coupled multitechnique operando approach
10.10-10.40	COFFEE	
10.40-11.15	Angeliki Lemonidou (Greece)	The determining role of oxidant in oxidative dehydrogenation of lower alkanes
11.15-11.50	Vladimir V. Galvita (Belgium)	CO ₂ as oxidant for high-temperature catalytic reactions
11.50-12.25	Ewa Serwicka (Poland)	Clays in the design of combustion catalysts
12.25	CLOSING + AWARDS	
12.40	LUNCH	