FIRST NAME	SURNAME	COUNTRY	Number	SESSION	FORM	Day	From	To	Hall	TITLE OF PRESENTATION
Jeroen	A.v. Bokhoven	Switzerland	CHAR-KL-02	Catalyst characterization incl. operando methods: experiment and theory 06	Keynote lecture (40 min.) - KL					Heterogeneous catalysts under pressure
Salvatore	Abate	Italy	CO2-OL-18	CO2 valorization 06	Standard oral lecture (20 min.) - OL			6:40	South hall 3BC	Insight the Ti nanotubes array nanostructure and its role on the electro reduction of CO2-derived oxalic acid (OX)
Ali	Abdel-Mageed	Germany	DES-OL-09	Catalyst design, novel catalytic materials 04	Standard oral lecture (20 min.) - OL	 	7:00 17	7:20	South hall 2AB	Methane oxidation on MOF Supported Fe Single-Atom Catalysts
Kedar	Abhyankar	Switzerland	BIO-OL-05	Biomass to chemicals and fuels 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 1	6:00 16	6:20	South hall 3BC	Efficient conversion of polysaccharides to glucose in water using a heterogeneous ionic polymer catalyst
Reda	Aboulayt	France	CHAR-SOL-22	Catalyst characterization incl. operando methods: experiment and theory 02	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 1	2:00 12	2:10	Terrace 2A	Hard-Soft MCR-ALS of IR spectroscopic isotherms: an innovative method for the characterization of adsorption at the molecular scale.
Camila	Abreu Teles	France	BIO-SOL-04	Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 1	1:00	1:10	Terrace 2A	Optimization in the deoxygenation of m-cresol by creating Ni-Nb interfaces
Andrzej	Adamski	Poland	DES-SOL-14	Catalyst design, novel catalytic materials 08	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 1	6:10 16	6:20	Chamber hall	Cenospheres from fly ashes as catalytic supports of high application potential
Ahmet Erhan	Aksoylu	Turkey	SURF-SOL-05	Surface science & atomic level models: experiment and theory 03	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 1		5:20	Chamber hall	A DFT Study on the Role of Oxygen Vacancy on m-ZrO2 () in Adsorption and Dissociation of CO2
Jakob	Albert	Germany	CHAR-SOL-15	Catalyst characterization incl. operando methods: experiment and theory 02	Short oral lecture (10 min.) - SOL	,, , ,		1:00	Terrace 2A	Revealing activating and deactivating effects of carboxylic acids on polyoxometalate-catalysed three-phase liquid-liquid-gas reactions using theoretical and analytical tools
Stefania Baris	Albonetti	Italy	DES-OL-12 DES-SOL-45	Catalyst design, novel catalytic materials 05 Catalyst design, novel catalytic materials 13	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 1		1:00	South hall 2AB Chamber hall	Design of oxide-polymer hybrid materials with multifunctional properties for biomass valorisation and wastewater treatment. Ni-based solid solution catalysts for COx-free H2 generation
Sara	Alkhoori	Germany United Arab Emirates		Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 1 Wednesday, August 30, 2023 1		0:40	Terrace 2A	Unveiling periodic trends and steering hydrodeoxygenation activity in biofuels production: experimental and computational approach
Alessandro	Allegri	Italy	BIO-SOL-17	Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL			6:50	Chamber hall	Continuous-flow liquid-phase valorisation of furfural to γ-valerolactone over Ti/Zr/O catalysts
Majd	Al-Naji	Germany	PUR-SOL-05	Catalytic technologies for liquid or solid waste reduction or purification 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 1	5:10 15	5:20	Chamber hall	Acidic carbocatalyst for the conversion of polyethylene waste to hydrocarbons
María del Mar	Alonso-Doncel	Spain	PUR-SOL-09	Catalytic technologies for liquid or solid waste reduction or purification 02	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 1	4:50 16	6:00	Terrace 2A	Performance of Al/Ga-MFI Nanosponges and Nanosheets in the catalytic pyrolysis of biomass and plastics
Jesum	Alves Fernandes	United Kingdom	DES-OL-31	Catalyst design, novel catalytic materials 15	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	6:00 16	6:20	South hall 2AB	Metal Nanoclusters for Catalysis
Mohammed	Al-Yusufi	Germany	BIO-OL-31	Biomass to chemicals and fuels 10	Standard oral lecture (20 min.) - OL	Friday, September 1, 2023 9		:20	Panorama hall	Continuous transfer hydrogenolysis of THFA to 1,5-pentanediol over stable Ni-La(OH)3: Towards selective synthesis of bio-based α,ω-diols
Claudio	Ampelli	Italy	CO2-OL-20	CO2 valorization 06	Standard oral lecture (20 min.) - OL			8:00	South hall 3BC	Electrocatalytic behaviour of CuSx-Bi nanocrystals in CO2 reduction using new engineered artificial leaf-type devices
Asbjørn S. Gustavo	Andersson Andrade Silva Alves	Denmark Austria	BIO-SOL-03 DES-OL-26	Biomass to chemicals and fuels 06 Catalyst design, novel catalytic materials 09	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL			1:00 1:50	Terrace 2A South hall 2AB	The key to obtain a high yield of renewable jet fuel from hydroprocessing of fatty acids and esters Mn-promoted MoS2 as a catalyst for CO2 hydrogenation to methanol: Investigating the interaction between MoS2 and Mn oxides
Emanuele	Antico	Germany	FINE-SOL-01	Fine chemicals 02	Short oral lecture (10 min.) - SOL			4:40	Terrace 2A	[MnBr(CO)5] as a Precatalyst for the Selective Oxidation of Silanes into Silanols with Water
Marina	Armengol-Profitós	Spain	CHAR-SOL-06	Catalyst characterization incl. operando methods: experiment and theory 01	Short oral lecture (10 min.) - SOL	,, , ,		7:00	Terrace 2A	Enhancing the performance of Co-Ru supported on CeO2 for the dry reforming of methane via a mechanochemical process
Mikalai	Artsiusheuski	Switzerland	CHAR-SOL-02	Catalyst characterization incl. operando methods: experiment and theory 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 1	6:10 16	6:20	Terrace 2A	In situ MAS NMR spectroscopy reveals the mechanism of methane coupling to hydrocarbons over copper-containing mordenite
Chalachew Mebrahtu	Asmelash	Germany	GTL-OL-02	Gas to liquids conversion 01	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 1	0:50 11	1:10	Panorama hall	Nonoxidative Dehydrogenation of Methanol to Dimethoxymethane over Cu/Hβ-zeolite Bifunctional Catalysts with Tailored Acidic Sites
George	Avgouropoulos	Greece	ELE-SOL-10	Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 1	2:00 12	2:10	Terrace 2A	Application aspects of molten proton conductor fuel cell modules with internal methanol reformer
Pablo	Ayala	Austria	DES-SOL-26	Catalyst design, novel catalytic materials 10	Short oral lecture (10 min.) - SOL	,, , ,		0:50	Chamber hall	Photocatalytic properties of COK-47, a versatile Ti (IV)-MOF for visible light driven hydrogen evolution reaction
Arzum Ceren	Aydogdu	Turkey	PUR-SOL-12	Catalytic technologies for liquid or solid waste reduction or purification 02	Short oral lecture (10 min.) - SOL			5:30	Terrace 2A	Hydrogenolysis vs. Pyrolysis to Convert Polyethylene into Naphtha-like Products using Ni-Based Catalysts to Close the Gap in Circular Economy of Polyolefins
Maria Elena	Azzoni	Italy	EXH-SOL-03	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	,, , ,		1:00	Terrace 2A	Investigation on Fe active sites in Fe/CHA catalysts for NH3-SCR by Transient Response Methods
Michal	Bajdich Bare	United States	PHDP-SOL-04	Photo-driven processes for fuel and organic synthesis 01	Short oral lecture (10 min.) - SOL			2:30	South hall 2AB	Photo-electrochemical Oxygen Evolution Activity in Nickel and Cobalt Antimonates Comparison of Proceedings Comparison of Circles Comparison of Compar
Simon	Barrabes	United States Austria	CHAR-SOL-20 DES-OL-35	Catalyst characterization incl. operando methods: experiment and theory 02 Catalyst design, novel catalytic materials 16	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 1 Friday, September 1, 2023 9		1:50	Terrace 2A South hall 2AB	Limits of Detection for EXAFS Characterization of Single Atom Catalysts Tuning the Au nanocluster catalyst activity in the selective alkyne semihydrogenation reaction: ligand and support effect
Simon	Barth	Germany	EXH-OL-11	Treatment of flue / exhaust gases 05	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 1		6:20	North hall	Understanding the influence of Cu-sites during NH3-SCR of NOx in the presence of HCHO
Angelina	Barthelmeß	Germany	CO2-OL-10	CO2 valorization 04	Standard oral lecture (20 min.) - OL			1:30	South hall 3BC	Carbon Nitride-modified Support Materials for Cobalt-based Catalysts for the Hydrogenation of CO2
Lorena	Baumgarten	Germany	DYN-OL-03	Catalysts and reactors under dynamic conditions for energy storage and conversion 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 1		1:30	North hall	Operando X-Ray Absorption Spectroscopic Investigations on Ni and Cu Catalysts for CO2-Hydrogenation
Pablo Simon	Beato Beaumont	Denmark United Kingdom	BIO-KL-02 CHAR-OL-12	Biomass to chemicals and fuels 03 Catalyst characterization incl. operando methods: experiment and theory 06	Keynote lecture (40 min.) - KL Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 1 Thursday, August 31, 2023 1			Panorama hall Panorama hall	Catalysis for Sustainable Fuels Using NAP-XPS to elucidate when the surface of cobalt and promoted cobalt Fischer-Tropsch catalysts can become oxidised by water
Arik	Beck	Switzerland	2023-Thesis Award	Awards	Standard oral lecture (20 min.) - OL			0:40	Congress hall	Pressure and temperature dependence of metallic zinc and partially reduced zinc oxide formation in copper-zinc-alumina catalysts – Limits of X-ray spectroscopy
Malte	Behrens	Germany	CO2-KL-01	CO2 valorization 02	Keynote lecture (40 min.) - KL	,· • ·		5:10	South hall 3BC	Materials and Mechanisms to Promote CO2 Hydrogenation to Methanol
Anna Katharina Roey	Beine Ben David	Germany Israel	BIO-SOL-07 SURF-SOL-06	Biomass to chemicals and fuels 06 Surface science & atomic level models: experiment and theory 03	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL			1:40 5:30	Terrace 2A Chamber hall	Polyoxometalate based catalysts for the oxidative hydrolysis of cellulose to glycolic acid CO2 activation on Ni(111) model catalysts at ambient conditions
Robert	Bericat Vadell	Sweden	PHDP-SOL-07	Photo-driven processes for fuel and organic synthesis 02	Short oral lecture (10 min.) - SOL			0:30	North hall	Surface molecularization of plasmonic systems for photo-redox catalysis
Harry	Bitter	Netherlands	DES-SOL-42	Catalyst design, novel catalytic materials 12	Short oral lecture (10 min.) - SOL			_	Chamber hall	Carbon Nanofiber Supported Mixed Mo and W Carbides for Deoxygenation of Lipid-based Feedstocks
Andrea Bíborka	Blankenship Boga	Switzerland Germany	GTL-SOL-01 ENVP-OL-11	Gas to liquids conversion 02 Environmental photocatalysis 04	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL			4:40 2:30	Terrace 2A North hall	Advancing high-yield strategies for methane partial oxidation to methyl derivatives with heterogeneous catalysis The Design of New SrTiO3-based Catalysts for Photocatalytic CO2 Reduction Applications
Max	Bols	Belgium	DES-OL-01	Catalyst design, novel catalytic materials 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 1				Tuning Fe active sites in zeolites
Irina Alexis	Borbáth Bordet	Hungary Germany	ELE-OL-01 DES-OL-18	Electrocatalysis, including fuel cells 02 Catalyst design, novel catalytic materials 07	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL					Strategies to improve CO tolerance and corrosion resistance of Pt electrocatalysts for polymer electrolyte membrane fuel cells Metal Nanoparticles Immobilized on Functional Supports: Toward Adaptive Catalytic Systems
Silvia	Bordiga	Italy	PL 01	Plenary session 1	Plenary lecture (60 min.) - PL					Birth, life and aging of heterogeneous catalysts seen by the eye of a spectroscopist
Mercedes	Boronat	Spain	REAC-SOL-11	Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL	<i>,</i> . • · · ·		2:20	Chamber hall	Approaching enzymatic catalysis with zeolites: an ab initio and experimental study of alkylaromatics competing reactions
Oscar Andreas	Brandt Corstius Brenig	Netherlands Switzerland	CHAR-SOL-13 CHAR-OL-05	Catalyst characterization incl. operando methods: experiment and theory 02 Catalyst characterization incl. operando methods: experiment and theory 04	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	7		0:40 6:40	Terrace 2A North hall	Bimetallic Pd-based catalysts for selective hydrogenation of butadiene Composition-Driven Differences in Active Site Speciation and Behavior in Methane to Methanol Oxidation of Copper Exchanged Chabazite
Leo	Brody	United States	BIO-OL-01	Biomass to chemicals and fuels 01					Congress hall	Sorption-enhanced steam reforming of toluene using multifunctional perovskite phase transition sorbents in a chemical looping scheme
Agustín	Bueno López	Spain	CO2-SOL-11	CO2 valorization 03	Short oral lecture (10 min.) - SOL	,· • ·		7:50	Chamber hall	Monitoring by in situ NAP-XPS of active sites for CO2 methanation on a Ni/CeO2 catalyst
Federico Raffaella	Bugli Buonsanti	Italy Switzerland	BIO-OL-06 ELE-OL-02	Biomass to chemicals and fuels 02 Electrocatalysis, including fuel cells 02	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL			6:40 6:40	South hall 3BC South hall 3BC	Enhanced Reductive Catalytic Fractionation of raw lignocellulosic biomass with recyclable magnetic catalyst Well-defined nanocatalysts for selective CO2 electroreduction
Eleonora	Calì	Italy	CO2-SOL-09	CO2 valorization 03	Short oral lecture (10 min.) - SOL				Chamber hall	Optimisation of Cu-CeO2 catalysts for the CO2 hydrogenation to MeOH
Federico	Calle-Vallejo Carmen	Spain	2023-KL2-award CO2-SOL-12	Awards	Keynote lecture (40 min.) - KL	Friday, September 1, 2023 9		0:20 8:00	Congress hall	On the structural sensitivity of platinum electrocatalysts
Ciotonea Miguel Angel	Centeno	France Spain	BIO-OL-02	CO2 valorization 03 Biomass to chemicals and fuels 01	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	,		1:50	Chamber hall Congress hall	Carbon resistant Ni-Co binary nanoparticles for dry reforming of methane reaction Vanadium-based catalysts for the sustainable production of formic acid from glucose
Gabriele	Centi	Italy	REF-OL-04	Refining and petrochemistry 01	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 1	2:10 12	2:30	Congress hall	Second-generation approaches for the production and distribution of green H2
Michael Guillaume	Claeys	South Africa France	DYN-OL-02 CHAR-OL-13	Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Catalyst characterization incl. operando methods: experiment and theory 06	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	,· • ·		1:10 7:40	North hall Panorama hall	Stability of Fe-based Fischer-Tropsch Catalysts at dynamic reaction conditions captured by in-situ magnetometry Operando Raman spectroscopy in the liquid phase for the characterization of diols conversion on layered catalysts
Massimo	Corda	France	CO2-OL-09	CO2 valorization 04	Standard oral lecture (20 min.) - OL			1:10	South hall 3BC	Role of metal oxide and zeolite in the direct CO2 hydrogenation to light olefins over bifunctional catalysts
Vicente	Cortés Corberán	Spain	BIO-OL-03	Biomass to chemicals and fuels 01	Standard oral lecture (20 min.) - OL			2:10	Congress hall	Vanadium containing pillared clays as catalysts for acetaldehyde production by ethanol selective oxidation
Fabrizio Xingchao	Creazzo Dai	Switzerland Germany	SURF-OL-08 BIO-OL-24	Surface science & atomic level models: experiment and theory 02 Biomass to chemicals and fuels 07	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	,· • ·		5:10 1:30	North hall South hall 3BC	Unrevealing Universal Water-Assisted Chemical Routes Towards the Oxygen Evolution Reaction at solid-liquid interfaces Glycerol derivatives as bio-based C1 building blocks for N-formylation of amines to formamides with O2 as the oxidant
Shubhajit	Das	Switzerland	REAC-OL-01	Experiment and theory of catalytic reactions 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 1	4:30 14	_	North hall	Tools for Navigating Catalyst Landscapes
Petra	de Jongh	Netherlands	CO2-OL-23	CO2 valorization 07	Standard oral lecture (20 min.) - OL				Congress hall	Competition between reverse water gas shift reaction and methanol synthesis from CO2: Influence of copper particle size
Unai Jim	De La Torre de Ruiter	Spain Netherlands	CO2-OL-26 CHAR-SOL-08	CO2 valorization 07 Catalyst characterization incl. operando methods: experiment and theory 01	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL			2:30 7:20	Congress hall Terrace 2A	Immobilized Ni particles over hydrotalcite support for CO2 methanation reaction: On the nature of the active species and the kinetic aspects Detecting Surface Intermediates Beyond Carbon Monoxide in the Copper-Catalyzed Electroreduction of Carbon Dioxide
Sudip	De Sarkar	Denmark	CO2-OL-19	CO2 valorization 06	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 1	7:20 17	7:40	South hall 3BC	Production of eChemicals and eFuels using eREACTTM
Davey Frederik Jiří	de Waard	Netherlands	BIO-SOL-12	Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 1		2:30	Terrace 2A	Copper Manganese Spinel Oxide for Enhanced Solvolysis of Technical Lignin Activities of small melanular quark historian seators combedded in various spelling topologies
Pablo	Dědeček del Campo	Czechia Spain	GTL-OL-01 REF-OL-01	Gas to liquids conversion 01 Refining and petrochemistry 01	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL			0:50 1:30	Panorama hall Congress hall	Activation of small molecules over binuclear centres embedded in various zeolite topologies Propylene production by butene cracking. Descriptors for ZSM-5-based catalysts
Oriane	Delaunay	France	PHDP-OL-04	Photo-driven processes for fuel and organic synthesis 02	Standard oral lecture (20 min.) - OL	Friday, September 1, 2023 9	9:20	:40	North hall	Photocatalytic oxygen transfer as an innovative route for N2O upgrading
Daniel Iose lavier	Delgado Delgado Marín	Germany Spain	DES-OL-23 CO2-SOL-22	Catalyst design, novel catalytic materials 09 CO2 valorization 08				0:50 7:40	South hall 2AB	ZnFe2-xRhxO4 mixed metal oxides as catalyst precursors in C1 chemistry Leaching in Specific Facets of ZIF-67 and ZIF-L Zeolitic Imidazolate Frameworks During the CO2 Cycloaddition with Epichlorohydrin
Jose Javier Irina	Delgado Marin Delidovich	Spain Austria	BIO-OL-04	Biomass to chemicals and fuels 01	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 1 Monday, August 28, 2023 1		_	Terrace 2A Congress hall	Leaching in Specific Facets of ZIF-67 and ZIF-L Zeolitic Imidazolate Frameworks During the CO2 Cycloaddition with Epichlorohydrin A showcase for comlexity of catalysis at liquid-solid interface: base-catalyzed isomerization of monosaccharides
Gabriele	Deplano	Italy	CHAR-SOL-10	Catalyst characterization incl. operando methods: experiment and theory 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 1	7:30 17	7:40	Terrace 2A	Cu-bipy complexes for light hydrocarbon oxygenation reactions
Weijian Athanasios	Diao Dimitriadis	United States	DES-SOL-13 BIO-SOL-02	Catalyst design, novel catalytic materials 08 Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL	<i>,</i> . • · ·		6:10 0:50	Chamber hall	Bimetallic catalyst synthesis using galvanic displacement, electroless deposition methods and application for renewable chemical production Biofuels production via bydrocracking of bydrothermal liquefaction biocrade oil and lignocellulosic pyrolysis oil
Athanasios Marcelo	Dimitriadis Domine	Greece Spain	BIO-SOL-02 BIO-OL-22	Biomass to chemicals and fuels 06 Biomass to chemicals and fuels 07	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	,· • ·		0:50	Terrace 2A South hall 3BC	Biofuels production via hydrocracking of hydrothermal liquefaction biocrude oil and lignocellulosic pyrolysis oil Metal oxides-supported Ru- as catalysts for the hydrodeoxygenation of lignin model compounds
Mark	Douthwaite	United Kingdom	DES-OL-05	Catalyst design, novel catalytic materials 03	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 1	4:30 14	4:50	South hall 2AB	Structure-Activity Relationships in Pt/CeO2 Catalysts for Hydrogen Borrowing Amination
Hedda Snehasis	Drexler Dutta	Austria Czechia	DES-SOL-19 BIO-SOL-19	Catalyst design, novel catalytic materials 08 Biomass to chemicals and fuels 09	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	<i>,</i> . • · ·			Chamber hall Chamber hall	Morphological tuning of perovskite-type oxides for enhanced catalytic activity Evaluation of anisole deoxygenation reaction pathway over nickel catalyst
David	E. Bergbreiter	USA	DES-KL-02	Catalyst design, novel catalytic materials 04	Keynote lecture (40 min.) - KL			6:40	South hall 2AB	Sustainable Homogeneous Catalysis Using Sustainable Safer Solvents
Angelos	Efstathiou	Cyprus	CHAR-OL-18	Catalyst characterization incl. operando methods: experiment and theory 07	Standard oral lecture (20 min.) - OL	Friday, September 1, 2023 1		0:20	South hall 3BC	Effect of H2 pressure on the carbon path of methanation reaction on Co/γ-Al2O3: Transient isotopic and operando methodologies
Antonin William	Engel Epling	Belgium United States	PHDP-SOL-06 EXH-OL-12	Photo-driven processes for fuel and organic synthesis 02 Treatment of flue / exhaust gases 05	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL			0:20 6:40	North hall North hall	Silica-supported gold nanoparticles for plasmonic catalysis in continuous flow Sulfur Poisoning of Cu/SSZ-13 Selective Catalytic Reduction Catalysts
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FUNCTALANT	CURNIANS	COLINITRY	No. of the	CESCION	50014		_		THE ALANGUATION
FIRST NAME Adam	SURNAME Erdelyi	COUNTRY	Number DES-SOL-37	SESSION Catalyst design, novel catalytic materials 12	FORM Short oral lecture (10 min.) - SOL	Day From Wednesday, August 30, 2023 14:30	To 14:40	Hall Chamber hall	TITLE OF PRESENTATION Synthetic considerations of functionalized cyclic and bicyclic (alkyl)(amino)carbenes
Bertha	Farah	France	BIO-SOL-20	Biomass to chemicals and fuels 09	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 17:10		Chamber hall	Symmetric considerations or removable community of the HDO of m-cresol Beneficial Mo-W Synergy in Supported Catalysts for the HDO of m-cresol
Aleksandr	Fedorov	Germany	REAC-SOL-02	Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 10:40	10:50	Chamber hall	Breaking Barriers to Kinetic Modeling of CO2 Hydrogenation to Hydrocarbons using Machine Learning
Matthias	Filez	Belgium	CHAR-OL-14	Catalyst characterization incl. operando methods: experiment and theory 06	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 17:40		Panorama hall	Nanoscale Chemical Diversity of Coke Deposits on Metal Nanocatalysts Visualized by Tip-Enhanced Raman Spectroscopy
Roberto	Fiorenza	Italy	ENVP-OL-08	Environmental photocatalysis 04	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 10:30	10:50	North hall	TiO2 and CeO2 systems modified with photo-reduced graphene oxide for photocatalytic applications
Torstein Mihaela	Fjermestad Florea	Norway Romania	REAC-OL-14 DES-OL-36	Experiment and theory of catalytic reactions 04 Catalyst design, novel catalytic materials 16	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 11:50 Friday, September 1, 2023 9:20	12:10 9:40	Congress hall South hall 2AB	Modelling the methanol to dimethyl ether reaction – coupling kinetic with transport from Å to cm scale MAX phase as an efficient heterogeneous catalyst for nitrostyrene chemoselective hydrogenation
Neatu	Florentina	Romania	PUR-SOL-06	Catalytic technologies for liquid or solid waste reduction or purification 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 15:20		Chamber hall	Catalytic PET depolymentation by hydrolysis using sulfonated 2D MXenes
Deryn	Fogg	Canada	PL 02	Plenary session 2	Plenary lecture (60 min.) - PL	Sunday, August 27, 2023 17:20	18:20	Congress hall	Frontiers in Olefin Metathesis: Toward the Realization of a Nobel Promise
Simon	Freakley	United Kingdom	DES-OL-19	Catalyst design, novel catalytic materials 07	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 16:40	17:00	South hall 2AB	Hetero-Bio Catalytic Systems for Redox Reactions
Lindsey	Frederiksen	Switzerland	DES-SOL-38	Catalyst design, novel catalytic materials 12	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 14:40		Chamber hall	Design of organometallic complexes as precursors for catalysts with tuneable properties
Thomas Krisztina	Freese Frey	Netherlands Hungary	PHDP-SOL-01 CHAR-SOL-24	Photo-driven processes for fuel and organic synthesis 01 Catalyst characterization incl. operando methods: experiment and theory 02	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 11:50 Tuesday, August 29, 2023 12:20	12:00 12:30	South hall 2AB Terrace 2A	Photocatalytic production of hydrogen peroxide in seawater Tracking surface processes on water oxidizing anodes using high-sensitivity operando ellipsometry
Atsushi	Fukuoka	Japan	BIO-OL-07	Biomass to chemicals and fuels 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 16:40	17:00	South hall 3BC	Selective Synthesis of Oligosaccharides by Depolymerization of Chitin over a Carbon Catalyst
Shinya	Furukawa	Japan	INMC-OL-02	Intermetallic compounds in catalysis 01	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 14:50	15:10	Panorama hall	Design of Multimetallic Alloys Highly Efficient for Oxidative Dehydrogenation of Propane Using CO2
Wojciech	Gac	Poland	CO2-OL-04	CO2 valorization 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 11:30	11:50	South hall 3BC	BEA zeolite supported nickel catalysts for CO2 methanation
Melissa Greta Vladimir	Galloni Galvita	Italy Belgium	ENVP-SOL-02 CO2-SOL-16	Environmental photocatalysis 03 CO2 valorization 08	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 16:10 Thursday, August 31, 2023 16:30	16:20 16:40	Terrace 2A Terrace 2A	Innovative eco-friendly easily recoverable materials for olive mill wastewater treatment Multifunctional Materials for CO2 Capture and Conversion
Gabriella	Garbarino	Italy	CO2-301-16	CO2 valorization 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 10:30	10:50	South hall 3BC	Ni- based catalysts for CO2 methanation: effect of promoters and development of intermetallics based materials
Hermenegildo	García Gomez	Spain	ENVP-KL-02	Environmental photocatalysis 04	Keynote lecture (40 min.) - KL	Thursday, August 31, 2023 11:10	11:50	North hall	Metal-organic Frameworks as versatile solar photocatalysts for overall water splitting
Max	García-Melchor	Ireland	DES-SOL-33	Catalyst design, novel catalytic materials 10	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 11:50	12:00	Chamber hall	Towards catalyst design and databases for molecular OER catalysis
Sabrina M.	Gericke	Sweden	SURF-SOL-04	Surface science & atomic level models: experiment and theory 03	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 15:00		Chamber hall	Towards CO2 hydrogenation: A combined XPS and DFT study on In2O3(111) model crystals
Mohammad Sourav	Ghavipour Ghosh	Canada France	GTL-OL-03 DES-OL-14	Gas to liquids conversion 01 Catalyst design, novel catalytic materials 05	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 11:10 Tuesday, August 29, 2023 11:50	11:30 12:10	Panorama hall South hall 2AB	In-situ synthesis of SAPO-34 on y-Al2O3 microspheres: a suitable fluidized-bed catalyst for methanol conversion to light olefins Iron based composite catalyst for magnetically-induced hydrogenation reactions in gas and solution phase
Marcos	Gil Sepulcre	Germany	DES-OL-17	Catalyst design, novel catalystic materials 07	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 11:30	16:20	South hall 2AB	Towards efficient water oxidation catalysis using ruthenium coordination oligomers anchored through CH-x interactions
Sara	Golbarg	Denmark	ENVP-SOL-08	Environmental photocatalysis 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 17:10	17:20	Terrace 2A	Photocatalytic oxidation of isopropanol in the presence of organic coatings containing TiO2 nanoparticles
Kinga	Góra-Marek	Poland	CHAR-OL-09	Catalyst characterization incl. operando methods: experiment and theory 05	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 14:50	15:10	Panorama hall	Operando IR-GC-MS Investigations for Catalytic Recycling of Polyolefins on zeolites
Maria	Goula	Greece	CO2-OL-06	CO2 valorization 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 12:10	12:30	South hall 3BC	Integrated capture and methanation of CO2 using mono- and bimetallic Ni and Ni-Ru catalysts along with a Na-Al2O3 sorbent
Konstantinos Jose	Goulas Gracia	United States Spain	PUR-SOL-04 REAC-OL-03	Catalytic technologies for liquid or solid waste reduction or purification 01 Experiment and theory of catalytic reactions 01	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 15:00 Monday, August 28, 2023 15:10	15:10 15:30	Chamber hall North hall	Dechlorination of PVC to HDPE Principles of Spin Catalysis
Rossella	Greco	Finland	ENVP-OL-01	Environmental photocatalysis 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 15:10 Monday, August 28, 2023 14:30		Panorama hall	Principles of spin Catalysis Cross-dimensional activation of 2D cobalt hydroxide with 0D cobalt oxides for photocatalytic microplastic degradation
Thomas	Grehl	Germany	CHAR-OL-01	Catalyst characterization incl. operando methods: experiment and theory 03	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 14:30	14:50	North hall	Outer atomic layer composition analysis of catalyst materials
Miha	Grilc	Slovenia	BIO-OL-33	Biomass to chemicals and fuels 10	Standard oral lecture (20 min.) - OL	Friday, September 1, 2023 9:40	10:00	Panorama hall	Rhenium-Catalyzed Production of Adipates from Aldaric Acids
Silvia	Gross	Italy	DES-OL-20	Catalyst design, novel catalytic materials 07	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 17:00	17:20	South hall 2AB	Exploring the wide experimental parameters space: low temperature, sustainable and rational wet-chemistry approaches to heterogeneous catalysts
Gabriela Hao	Grzybek	Poland United Kingdom	DES-SOL-52 EXH-SOL-04	Catalyst design, novel catalytic materials 13 Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 12:00 Monday, August 28, 2023 11:00	12:10 11:10	Chamber hall Terrace 2A	Developing alumina-based cobalt catalyst for efficient hydrogen production via the ethanol steam reforming process Kinetic Study by Energy Dispersive EXAFS on Cerium based Oxygen Storage Materials for Emission Control Catalysis
Silje Fosse	Håkonsen	Norway	EXH-SOL-11	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 11:00	12:20	Terrace 2A	Ninetic Study by Energy Dispersion Execution of a V/W-TiO2 Monolith Catalysts used for NH3-SCR of NOx in bio-fuel combustion exhaust
Yusra	Hamid	Italy	EXH-SOL-10	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 12:00	12:10	Terrace 2A	NOx adsorption and stability on Pd/SSZ-13 low-T adsorbers: mechanistic pathways investigated by Operando FTIR spectroscopy
Hanna	Härelind	Sweden	ENVP-SOL-03	Environmental photocatalysis 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 16:20	16:30	Terrace 2A	Photocatalytic Reduction of CO2-to-CO using a CNQD-[Fe-p-TMA] Hybrid Assembly in Water
Naoki	Hashimoto	Japan	DES-SOL-01	Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 10:30		Chamber hall	Novel synthesis of sub-nanometric high entropy alloy clusters on CeO2 nanorods
Priscila Adrien	Hasse Palharim Hellier	Brazil France	ENVP-SOL-09 SURF-OL-06	Environmental photocatalysis 03 Surface science & atomic level models: experiment and theory 01	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 17:20 Tuesday, August 29, 2023 12:10	17:30 12:30	Terrace 2A North hall	Synthesis of WO3-Ag-AgCl films for application in continuous photocatalytic microreactors Thermodynamic and kinetic impacts of chlorine on Platinum single atoms supported on gamma-Al2O3 during calcination and reduction
Patrick	Hemberger	Switzerland	REAC-SOL-09	Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 11:50	12:00	Chamber hall	Detecting Ketenes as Crucial Reactive Intermediates in Catalysis
Emiel	Hensen	Netherlands	DES-KL-06	Catalyst design, novel catalytic materials 14	Keynote lecture (40 min.) - KL	Thursday, August 31, 2023 14:30	15:10	South hall 2AB	Catalysis at the metal-support interface: about nanoparticles, clusters and single metal atoms
Javier	Herguido	Spain	CO2-OL-07	CO2 valorization 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 15:10	15:30	South hall 3BC	Biogas upgrading through CO2 methanation in a polytropic - distributed feed fixed bed reactor
Ulrich	Hintermair	United Kingdom	CHAR-OL-11	Catalyst characterization incl. operando methods: experiment and theory 06	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 16:40	17:00 16:50	Panorama hall	What is my catalyst doing? New Insights into Rh/P - catalysed olefin hydroformylation from multi-nuclear operando FlowNMR Spectroscopy
Adam	Hoffman	United States	CHAR-SOL-05	Catalyst characterization incl. operando methods: experiment and theory 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 16:40		Terrace 2A	Characterization of Zeolite Supported Molybdenum Oxide Nanostructures During Activation for Methane Dehydroaromatization using Operando X-ray Absorption Spectroscopy
lennifer		Netherlands							
Jennifer Hannaneh	Hong Hosseini	Netherlands Germany	DES-SOL-34 ELE-SOL-06	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20	12:10 11:30	Chamber hall Terrace 2A	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocataviric Application Porous graphitized Resorcioni-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells
	Hong	1	DES-SOL-34	Catalyst design, novel catalytic materials 10	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:00	12:10	Chamber hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application
Hannaneh Jianli (John) Xile	Hong Hosseini Hu Hu	Germany United States Switzerland	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10	12:10 11:30 12:30 12:10	Chamber hall Terrace 2A North hall Congress hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation
Hannaneh Jianli (John) Xile Nadiia	Hong Hosseini Hu Hu Huskova	Germany United States Switzerland Germany	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30	12:10 11:30 12:30 12:10 10:40	Chamber hall Terrace 2A North hall Congress hall Chamber hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology
Hannaneh Jianli (John) Xile Nadiia Graham	Hong Hosseini Hu Hu Huskova Hutchings	Germany United States Switzerland Germany United Kingdom	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00	12:10 11:30 12:30 12:10 10:40 10:00	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials
Hannaneh Jianli (John) Xile Nadiia	Hong Hosseini Hu Hu Huskova	Germany United States Switzerland Germany	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30	12:10 11:30 12:30 12:10 10:40 10:00 12:10	Chamber hall Terrace 2A North hall Congress hall Chamber hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology
Hannaneh Jianli (John) Xile Nadiia Graham Mika	Hong Hosseini Hu Hu Huskova Hutchings	Germany United States Switzerland Germany United Kingdom Finland Germany Japan	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 15:00 Monday, August 28, 2023 11:00	12:10 11:30 12:30 12:10 10:40 10:00 12:10 15:10 11:10	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall Congress hall Congress hall Chamber hall Chamber hall Chamber hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-01-25 DES-SOL-40 DES-SOL-04 DES-SOL-07	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 15:00 Monday, August 28, 2023 11:00 Monday, August 28, 2023 11:30	12:10 11:30 12:30 12:10 10:40 10:00 12:10 15:10 11:10	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall Congress hall Congress hall Chamber hall Chamber hall Chamber hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan	Hong Hosseini Hu Hu Huskova Hutchings Huuthanen Checinski Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 DES-KL-07	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Keynote lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 15:00 Monday, August 28, 2023 11:00 Monday, August 28, 2023 11:30 Thursday, August 31, 2023 17:20	12:10 11:30 12:30 12:10 10:40 10:00 12:10 15:10 11:10 11:40 18:00	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall Congress hall Congress hall Chamber hall Chamber hall Chamber hall Chamber hall Chamber hall South hall 2AB	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CQ2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation Engineering of Catalytic Cycles in Redox Reactions
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-01-25 DES-SOL-40 DES-SOL-04 DES-SOL-07	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 15:00 Monday, August 28, 2023 11:00 Monday, August 28, 2023 11:30	12:10 11:30 12:30 12:10 10:40 10:00 12:10 15:10 11:10	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall Congress hall Congress hall Chamber hall Chamber hall Chamber hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-40 DES-SOL-04 DES-SOL-07 DES-KL-07 CHAR-SOL-17	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 20	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (40 min.) - SOL Keynote lecture (40 min.) - SOL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 11:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 15:00 Monday, August 28, 2023 11:30 Thursday, August 28, 2023 11:30 Thursday, August 31, 2023 17:20 Tuesday, August 31, 2023 11:10	12:10 11:30 12:30 12:10 10:40 10:00 12:10 15:10 11:10 11:40 18:00 11:20	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall Chamber hall Chamber hall Chamber hall Chamber hall South hall 2AB Terrace 2A	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and NZ Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation Engineering of Catalytic Cycles in Redox Reactions Making Iron Active: Highly-loaded Bimetallic Iron-Cobalt Catalysts for Hydrogen Release from Ammonia
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy)	Hong Hosseini Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst characterization incl. operando methods: experiment and theory 02 CO2 valorization 06 Bulk chemicals and polymers 01	Short oral lecture (10 min.) - SOL Short oral lecture (20 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (40 min.) - SOL Stort oral lecture (10 min.) - SOL Stort oral lecture (10 min.) - SOL Stort oral lecture (20 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 10:30 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 11:50 Wednesday, August 28, 2023 11:00 Monday, August 28, 2023 11:30 Thursday, August 31, 2023 17:20 Tuesday, August 29, 2023 11:10 Monday, August 29, 2023 11:50 Monday, August 29, 2023 11:50 Tuesday, August 28, 2023 11:50 Tuesday, August 29, 2023 16:00 Monday, August 29, 2023 16:00 Monday, August 29, 2023 10:30	12:10 11:30 12:30 12:10 10:40 10:00 12:10 15:10 11:40 11:40 11:40 11:20 11:20 10:50	Chamber hall Terrace 2A North hall Congress hall Congress hall Congress hall Congress hall Chamber hall Chamber hall Chamber hall Chamber hall South hall 2AB Terrace 2A South hall 3BC Panorama hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation Engineering of Catalytic Cycles in Redox Reactions Making Iron Active: Highly-loaded Bimetallic Iron-Cobalt Catalysts for Hydrogen Release from Ammonia Ni supported on MnO catalysts for methane dry reforming Dyes as efficient metal-free catalysts for the synthesis of cyclic carbonates through the reaction of CO2 cycloaddition to epoxides Kinetic Coupling of Ethane and CO2 Activation on Metal Oxide Catalysts
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 10 Catalyst design, nove	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Stort oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 11:00 Monday, August 28, 2023 11:30 Thursday, August 28, 2023 17:20 Tuesday, August 31, 2023 17:20 Tuesday, August 28, 2023 11:10 Monday, August 28, 2023 11:50 Tuesday, August 28, 2023 11:50 Tuesday, August 28, 2023 11:50 Monday, August 28, 2023 10:30 Wednesday, August 28, 2023 10:30 Wednesday, August 30, 2023 10:30	12:10 11:30 12:30 12:10 10:40 10:40 10:10 11:10 11:10 11:40 11:20 11:20 10:50 10:50	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall Chamber hall Chamber hall Chamber hall South hall 2AB Terrace 2A South hall 3BC Panorama hall South hall 3BC	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation Engineering of Catalytic Cycles in Redox Reactions Making Iron Active: Highly-loaded Bimetallic Iron-Cobalt Catalysts for Hydrogen Release from Ammonia Ni supported on MnO catalysts for methane dry reforming Dyes as efficient metal-free catalysts for the synthesis of cyclic carbonates through the reaction of CO2 cycloaddition to epoxides Kinetic Coupling of Ethane and CO2 Activation on Metal Oxide Catalysts Catalyst Adhesion Enhancement Technology for Metallic Honeycomb Substrates for Energy and Environmental Applications Using Special Coating Techniques
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy)	Hong Hosseini Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst characterization incl. operando methods: experiment and theory 02 CO2 valorization 06 Bulk chemicals and polymers 01	Short oral lecture (10 min.) - SOL Short oral lecture (20 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (40 min.) - SOL Stort oral lecture (10 min.) - SOL Stort oral lecture (10 min.) - SOL Stort oral lecture (20 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 10:30 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 11:50 Wednesday, August 28, 2023 11:00 Monday, August 28, 2023 11:30 Thursday, August 31, 2023 17:20 Tuesday, August 29, 2023 11:10 Monday, August 29, 2023 11:50 Monday, August 29, 2023 11:50 Tuesday, August 28, 2023 11:50 Tuesday, August 29, 2023 16:00 Monday, August 29, 2023 16:00 Monday, August 29, 2023 10:30	12:10 11:30 12:30 12:10 10:40 10:00 12:10 15:10 11:40 11:40 11:40 11:20 11:20 10:50	Chamber hall Terrace 2A North hall Congress hall Congress hall Congress hall Congress hall Chamber hall Chamber hall Chamber hall Chamber hall South hall 2AB Terrace 2A South hall 3BC Panorama hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation Engineering of Catalytic Cycles in Redox Reactions Making Iron Active: Highly-loaded Bimetallic Iron-Cobalt Catalysts for Hydrogen Release from Ammonia Ni supported on MnO catalysts for methane dry reforming Dyes as efficient metal-free catalysts for the synthesis of cyclic carbonates through the reaction of CO2 cycloaddition to epoxides Kinetic Coupling of Ethane and CO2 Activation on Metal Oxide Catalysts
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-40 DES-SOL-04 DES-SOL-07 DES-KL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-39	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 02 CO2 valorization 01 CO2 valorization 01 CO2 valorization 06 Bulk chemicals and polymers 01 Treatment of flue / exhaust gases 02 Catalyst design, novel catalytic materials 12	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Stort oral lecture (10 min.) - SOL Stort oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 15:00 Monday, August 28, 2023 11:30 Monday, August 28, 2023 11:30 Thursday, August 31, 2023 17:20 Tuesday, August 31, 2023 17:20 Tuesday, August 28, 2023 11:50 Monday, August 28, 2023 11:50 Tuesday, August 29, 2023 16:00 Monday, August 29, 2023 16:00 Monday, August 29, 2023 10:30 Wednesday, August 30, 2023 10:30 Wednesday, August 30, 2023 14:50	12:10 11:30 12:30 12:10 10:40 10:00 12:10 15:10 11:10 11:10 11:20 12:10 16:20 10:50 15:00	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall Chamber hall Chamber hall Chamber hall South hall 3BC South hall 3BC Panorama hall South hall 3BC Chamber hall Couth hall 3BC Chamber hall Couth hall 3BC Chamber hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and NZ Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation Engineering of Catalytic Cycles in Redox Reactions Making Iron Active: Highly-loaded Bimetallic Iron-Cobalt Catalysts for Hydrogen Release from Ammonia Ni supported on MnO catalysts for methane dry reforming Dyes as efficient metal-free catalysts for the synthesis of cyclic carbonates through the reaction of CO2 cycloaddition to epoxides Kinetic Coupling of Ethane and CO2 Activation on Metal Oxide Catalysts Catalyst Adhesion Enhancement Technology for Metallic Honeycomb Substrates for Energy and Environmental Applications Using Special Coating Techniques Tunable materials with catalytic properties dedicated for chemical and biochemical processes
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna Sangho Alexandra Corina Georgia	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland Saudi Arabia Romania Greece	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-07 DES-KL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-01 DES-SOL-01 DES-SOL-01 EXH-OL-01 DES-SOL-01	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 17 Catalyst design, novel catalytic materials 18 Catalyst design, novel catalytic materials 19 Co2 valorization 01 CO2 valorization 06 Bulk chemicals and polymers 01 Treatment of flue / exhaust gases 02 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 12 Catalyst characterization incl. operando methods: experiment and theory 02 Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 09	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL Plenary lecture (60 min.) - PL Standard oral lecture (20 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:00 Thursday, August 31, 2023 11:20 Monday, August 28, 2023 12:10 Friday, September 1, 2023 11:10 Tuesday, August 29, 2023 10:30 Tuesday, August 29, 2023 9:00 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 11:50 Wednesday, August 30, 2023 11:00 Monday, August 28, 2023 11:30 Thursday, August 28, 2023 11:30 Thursday, August 28, 2023 11:10 Monday, August 28, 2023 11:50 Tuesday, August 28, 2023 11:50 Tuesday, August 28, 2023 11:50 Wednesday, August 28, 2023 11:50 Tuesday, August 28, 2023 11:50 Tuesday, August 28, 2023 10:30 Wednesday, August 30, 2023 16:50 Tuesday, August 29, 2023 10:40 Monday, August 29, 2023 10:40 Monday, August 29, 2023 17:50 Thursday, August 29, 2023 17:50 Thursday, August 28, 2023 17:50	12:10 11:30 12:30 12:30 10:40 10:00 12:10 15:10 11:40 18:00 11:20 10:50 10:50 10:50 18:00 17:30	Chamber hall Terrace 2A North hall Congress hall Chamber hall Congress hall Chamber hall Chamber hall Chamber hall South hall 2AB Terrace 2A South hall 3BC Panorama hall South hall 3BC Chamber hall To the south hall 3BC Terrace 2A Chamber hall Chamber hall Chamber hall Chamber hall Chamber hall	Engineering the Solid State Synthesis and Processing of Nickel Boride Nanocrystals for Electrocatalytic Application Porous graphitized Resorcinol-Formaldehyde (GRF) spheres/gels as highly stable supports for PEM fuel cells Simultaneous CH4 and N2 Conversion under Microwave and Microwave Plasma Catalytic Processing Molecular understanding of multifunctional electrocatalysts for water and hydrogen oxidation Improvement of Data and Metadata Quality in Catalysis Research: A Use Case Collection Methodology Catalysis Using Gold Containing Materials CO2 activation on TiO2 supported Pt with visible light From Theory to Experiments and to Application Intermittent Ammonia Synthesis over a Cs-promoted Ru/SGCNT catalyst Understanding and Controlling Surface Sites in Silica-supported GaOx Shells for Isobutane Dehydrogenation Engineering of Catalytic Cycles in Redox Reactions Making Iron Active: Highly-loaded Bimetallic Iron-Cobalt Catalysts for Hydrogen Release from Ammonia Ni supported on MnO catalysts for methane dry reforming Dyes as efficient metal-free catalysts for the synthesis of cyclic carbonates through the reaction of CO2 cycloaddition to epoxides Kinetic Coupling of Ethane and CO2 Activation on Metal Oxide Catalysts Catalysts Adhesion Enhancement Technology for Metallic Honeycomb Substrates for Energy and Environmental Applications Using Special Coating Techniques Tunable materials with catalytic properties dedicated for chemical and biochemical processes Origin of active sites on silica—magnesia catalysts in the one-step ethanol-to-butadiene Lebedev process Catalytic behaviour and surface changes of MAX Phases and MXenes Bio-glycerol hydrodeoxygenation to propylene: Optimizing the reaction conditions and exploring the reaction routes over Mo-based catalyst
Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna Sangho Alexandra Corina Georgia Oscar	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland Saudi Arabia Romania Greece Norway	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PPL-07 REAC-SOL-01 PL-04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-39 CHAR-SOL-14 CHAR-SOL-12 BIO-SOL-21 GTL-OL-04	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design novel catalytic materials 15 Catalyst design novel catalytic materials 15 Catalyst design novel catalytic materials 15 Catalyst design, novel catalytic materials 12 Catalyst design novel catalytic materials 12 Catalyst design, novel catalytic materials 12 Catalyst characterization incl. operando methods: experiment and theory 02 Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 09 Gas to liquids conversion 01	Short oral lecture (10 min.) - 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Hannaneh Jianli (John) Xile Nadilia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna Sangho Alexandra Corina Georgia Oscar Svetlana	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland Saudi Arabia Romania Greece Norway Spain	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-39 CHAR-SOL-14 CHAR-SOL-12 BIO-SOL-21 GTL-OL-04 DYN-SOL-06	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst characterization incl. operando methods: experiment and theory 02 CO2 valorization 01 Treatment of flue / exhaust gases 02 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 12 Catalyst characterization incl. operando methods: experiment and theory 02 Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 09 Gas to liquids conversion 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 02	Short oral lecture (10 min.) - 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Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna Sangho Alexandra Corina Georgia Oscar	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen Chen	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland Saudi Arabia Romania Greece Norway	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PPL-07 REAC-SOL-01 PL-04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-39 CHAR-SOL-14 CHAR-SOL-12 BIO-SOL-21 GTL-OL-04	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design novel catalytic materials 15 Catalyst design novel catalytic materials 15 Catalyst design novel catalytic materials 15 Catalyst design, novel catalytic materials 12 Catalyst design novel catalytic materials 12 Catalyst design, novel catalytic materials 12 Catalyst characterization incl. operando methods: experiment and theory 02 Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 09 Gas to liquids conversion 01	Short oral lecture (10 min.) - 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Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna Sangho Alexandra Corina Georgia Oscar Svetlana Gleb Thimo Kwinten Andreas	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chen In I	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland Saudi Arabia Romania Greece Norway Spain Belgium Netherlands Belgium Germany	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PH-O7 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHEM-OL-01 EXH-OL-01 DES-SOL-39 CHAR-SOL-14 CHAR-SOL-12 BIO-SOL-21 GTL-OL-04 DYN-SOL-06 DES-SOL-23 CHAR-SOL-21 BIO-SOL-05 DYN-OL-04	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 17 Catalyst design, novel catalytic materials 18 Catalyst design, novel catalytic materials 19 Catalyst design, novel catalytic materials 19 Catalyst design, novel catalytic materials 10 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 12 Catalyst characterization incl. operando methods: experiment and theory 02 Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 09 Gas to liquids conversion 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 02 Catalyst design, novel catalytic materials 08 Catalyst characterization incl. operando methods: experiment and theory 02 Biomass to chemicals and fuels 06 Catalysts and reactors under dynamic conditions for energy storage and conversion 01	Short oral lecture (10 min.) - 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Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna Sangho Alexandra Corina Georgia Oscar Svetlana Gleb Thimo Kwinten Andreas Hojin	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen In Chen Chen Chen Chin Choi Chrobok Chung Iacoban Ivanushkin Jacobs Janssens Jentys	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland Saudi Arabia Romania Greece Norway Spain Belgium Netherlands Belgium Germany South Korea	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-14 CHAR-SOL-12 BIO-SOL-21 GTL-OL-04 DYN-SOL-06 DES-SOL-23 CHAR-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-04 DYN-SOL-06 DES-SOL-23 CHAR-SOL-21 BIO-SOL-05 DYN-OL-04 EXH-OL-04	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst characterization incl. operando methods: experiment and theory 02 CO2 valorization 01 Treatment of flue / exhaust gases 02 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 12 Catalyst characterization incl. operando methods: experiment and theory 02 Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 09 Gas to liquids conversion 01 Catalyst design, novel catalytic materials 08 Catalyst tharacterization incl. operando methods: experiment and theory 02 Biomass to chemicals and fuels 06 Catalyst and reactors under dynamic conditions for energy storage and conversion 01 Treatment of flue / exhaust gases 02	Short oral lecture (10 min.) - 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Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna Sangho Alexandra Corina Georgia Oscar Svetlana Gleb Thimo Kwinten Andreas Hojin Sara	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chin Choi Chrobok Chung Iacoban Ioannidou Ivanez Encinas Ivanova Ivanushkin Jacobs Janssens Jentys Jeong Jerez	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland Saudi Arabia Romania Greece Norway Spain Belgium Netherlands Belgium Greenany South Korea	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-40 DES-SOL-07 DES-KL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-39 CHAR-SOL-14 CHAR-SOL-12 BIO-SOL-25 BIO-SOL-21 GTL-01-04 DYN-SOL-06 DES-SOL-23 CHAR-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-23 CHAR-SOL-21 BIO-SOL-05 DYN-OL-04 EXH-OL-05 DYN-OL-04 EXH-OL-03 PUR-OL-05	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Plenary session 7 Experiment and theory of catalytic reactions 03 Plenary session 4 CO2 valorization 07 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15 Catalyst characterization incl. operando methods: experiment and theory 02 CO2 valorization 01 CO2 valorization 06 Bulk chemicals and polymers 01 Treatment of flue / exhaust gases 02 Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 08 Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 09 Gas to liquids conversion 01 Catalysts and reactors under dynamic conditions for energy storage and conversion 02 Catalyst design, novel catalytic materials 08 Catalyst scharacterization incl. operando methods: experiment and theory 02 Biomass to chemicals and fuels 06 Catalysts and reactors under dynamic conditions for energy storage and conversion 01 Treatment of flue / exhaust gases 02 Catalytic technologies for liquid or solid waste reduction or purification 03	Short oral lecture (10 min.) - 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Hannaneh Jianli (John) Xile Nadiia Graham Mika Marek Shih-Yuan Zixuan De Shilong Xiaowei Jing Ya-Huei (Cathy) Joon Hwan Anna Sangho Alexandra Corina Georgia Oscar Svetlana Gleb Thimo Kwinten Andreas Hojin Sara Valentin Ho-II Venkata Narayana Jong Hun Liqun Shamayita Anastasia Freek Minttu Maria Jaspreet Anton Nicolas Abbas Reza Ibrahim Rachit Soichi Hayoung Alexey	Hong Hosseini Hu Hu Huskova Hutchings Huuhtanen Checinski Chen Chen Chen Chen Chen Chen Chin Choi Chrobok Chung Iacoban Ivanushkin Jacobs Jentys Jeong Jerez Jesti Ji Kalevaru Kang Kang Kang Kangungo Kappelou Kapteijn Kaur Kaus Keller Khaleel Khaleel Khaleel Khaleel Khalei Kikawa Kim Kirilin	Germany United States Switzerland Germany United Kingdom Finland Germany Japan Switzerland Norway Germany Spain Netherlands Canada South Korea Poland Saudi Arabia Romania Gerece Norway Spain Belgium Netherlands Belgium Germany South Korea Germany South Korea Finland Germany South Korea Spain Netherlands Spain Netherlands Selgium Germany South Korea Germany India United Kingdom Netherlands Finland Germany Germany France United Arab Emirates Italy Belgium Germany South Korea Germany India United Kingdom Netherlands Finland Germany Germany Germany Germany France United Arab Emirates Italy Belgium Germany South Korea	DES-SOL-34 ELE-SOL-06 DYN-OL-06 PL 07 REAC-SOL-01 PL 04 CO2-OL-25 DES-SOL-04 DES-SOL-04 DES-SOL-07 DES-KL-07 CHAR-SOL-17 CO2-OL-05 CO2-OL-17 CHEM-OL-01 EXH-OL-01 DES-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-21 BIO-SOL-22 CHAR-SOL-14 CHAR-SOL-14 CHAR-SOL-15 DES-SOL-21 CHAR-SOL-16 DES-SOL-21 CHAR-SOL-16 DES-SOL-21 CHAR-SOL-17 CHEM-OL-06 DES-SOL-22 CHAR-SOL-18 CHAR-SOL-18 CHAR-SOL-18 CHAR-SOL-19 DES-SOL-05 DYN-OL-04 EXH-OL-03 PUR-OL-05 EXH-OL-08 DES-OL-06 BIO-OL-29 DES-SOL-22 CHAR-SOL-18 CHEM-OL-02 EXH-OL-03 REAC-SOL-05 PHDP-OL-03 DYN-SOL-05 ENYP-OL-03 DES-SOL-02 EXH-OL-13 DES-OL-02 DES-SOL-15 DES-SOL-02 CHEM-KL-01	Catalyst design, novel catalytic materials 10 Electrocatalysis, including fuel cells 0.1 Catalysts and reactors under dynamic conditions for energy storage and conversion 0.1 Plenary session 7 Experiment and theory of catalytic reactions 0.3 Plenary session 4 CO2 valorization 0.7 Catalyst design, novel catalytic materials 1.2 Catalyst design, novel catalytic materials 0.2 Catalyst design, novel catalytic materials 1.5 Catalyst design, novel catalytic materials 1.5 Catalyst design, novel catalytic materials 1.6 Catalyst design, novel catalytic materials 1.6 Catalyst characterization incl. operando methods: experiment and theory 0.2 CO2 valorization 0.6 Bulk chemicals and polymers 0.1 Treatment of flue / exhaust gases 0.2 Catalyst design, novel catalytic materials 1.2 Catalyst characterization incl. operando methods: experiment and theory 0.2 Catalyst characterization incl. operando methods: experiment and theory 0.2 Biomass to chemicals and fuels 0.9 Gas to liquids conversion 0.1 Catalysts and reactors under dynamic conditions for energy storage and conversion 0.2 Catalyst design, novel catalytic materials 0.8 Catalyst design, novel catalytic materials 0.8 Catalyst characterization incl. operando methods: experiment and theory 0.2 Biomass to chemicals and fuels 0.6 Catalysts and reactors under dynamic conditions for energy storage and conversion 0.1 Treatment of flue / exhaust gases 0.2 Catalyst design, novel catalytic materials 0.8 Catalyst design, novel catalytic materials 0.1 Treatment of flue / exhaust gases 0.2 Environmental photocatalysis 0.1 Gas to liquids conversion 0.2 Treatment of flue / exhaust gases 0.5 Catalyst design, novel catal	Short oral lecture (10 min.) - 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FIRST NAME	SURNAME	COUNTRY	Number	SESSION	FORM	Day		To	Hall	TITLE OF PRESENTATION
Alexander Richard	Klyushin	Sweden Czechia	CHAR-OL-19 EXH-OL-06	Catalyst characterization incl. operando methods: experiment and theory 07 Treatment of flue / exhaust gases 03	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL		10:20 10: 14:50 15:	_	South hall 3BC South hall 3BC	Photocatalytic set-up for in situ and operando ambient pressure X-ray photoelectron spectroscopy at the MAX IV laboratory CO and hydrocarbon oxidation in catalytic particulate filters: Impact of catalyst microstructure and soot deposits
Amv	Knopp	Switzerland	DES-OL-21	Catalyst design, novel catalytic materials 07	Standard oral lecture (20 min.) - OL		17:20 17:	_	South hall 2AB	Colain injurious notation in catalytic particulate mers, impact or catalyst microstructure and soot deposits Synthesis of high-entropy oxides for catalytic applications
Mikkel	Kock	Denmark	CO2-OL-21	CO2 valorization 07	Standard oral lecture (20 min.) - OL	7: 0 1	10:30 10:	_	Congress hall	Unraveling the Role of Carbonates on the Reverse Water-Gas Shift Reaction over solid Mn catalyst
Michalis	Konsolakis	Greece	DES-KL-04	Catalyst design, novel catalytic materials 06	Keynote lecture (40 min.) - KL		14:30 15:			Ceria Nanoparticles Shape Effects in Catalysis
Jan	Kopyscinski	Canada	CHAR-SOL-07	Catalyst characterization incl. operando methods: experiment and theory 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	17:00 17:	10 T	Terrace 2A	Ru-REO/Al2O3 as dual-functional materials for combined CO2 capture and methanation: an operando DRIFTS study
Andrzej	Kotarba	Poland	DES-KL-01	Catalyst design, novel catalytic materials 01	Keynote lecture (40 min.) - KL	Monday, August 28, 2023	11:50 12:	_	South hall 2AB	Science and Art of Successful Catalysts Promotion by Alkali
Tomaž	Kotnik	Slovenia	DES-SOL-25	Catalyst design, novel catalytic materials 10	Short oral lecture (10 min.) - SOL		10:30 10:		Chamber hall	Porous Organic Semiconductors: Synthesis and Heterogeneous Photocatalysis
Kalliopi Sebastiian	Kousi Kovačič	United Kingdom Slovenia	DES-SOL-03 DES-OL-33	Catalyst design, novel catalytic materials 02 Catalyst design, novel catalytic materials 15	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Thursday, August 31, 2023	10:50 11: 16:40 17:	_	Chamber hall South hall 2AB	Engineering exsolution catalysts for CO2 to methanol Highly-porous conjugated polyelectrolytes for water absorption and visible light photocatalysis
lgor	Kowalec	United Kingdom	REAC-OL-11	Experiment and theory of catalytic reactions 04	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	10:50 11:		Congress hall	Inginity-priorus compacted purpercurrence and anteriorus and anterior
Milan	Králik	Slovakia	FINE-OL-01	Fine chemicals 01	Standard oral lecture (20 min.) - OL	,, , ,	11:10 11:	_	North hall	Palladium catalysts supported on biodegradable urea-based polymers in synthesis with CO
Laura	Kraußer	Germany	DYN-SOL-01	Catalysts and reactors under dynamic conditions for energy storage and conversion 02	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023	14:30 14:	40 C	Chamber hall	Elucidating the role of metallic Fe and Fe3O4 on the in-situ formation of steady-state phases responsible for efficient CO2 hydrogenation to higher hydrocarbons
Oliver	Kröcher	Switzerland	EXH-OL-04	Treatment of flue / exhaust gases 02	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023	12:10 12:	30 S	South hall 3BC	Enhancing the catalytic activity of Pd-based catalysts for methane oxidation by oxygen oscillations: From understanding catalysis in the laboratory to engine test rig experiments
Krzysztof	Kruczała	Poland	ELE-SOL-03	Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	10:50 11:		Terrace 2A	Electrocatalysts for Alkaline Oxygen Reduction and Evolution Reactions
Akihiko	Kudo	Japan	PHDP-OL-05	Photo-driven processes for fuel and organic synthesis 02	Standard oral lecture (20 min.) - OL	Friday, September 1, 2023	9:40 10:		North hall	Photocatalysis for artificial photosynthesis aiming at carbon neutral
Pawel J. Alexev	Kulesza Kurlov	Poland Switzerland	BIO-SOL-22	Electrocatalysis, including fuel cells 02 Biomass to chemicals and fuels 09	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	17:20 17: 17:30 17:	40 S	South hall 3BC Chamber hall	Toward Enhancement of Activity of Low-Pt-Content-Electrocatalysts for Oxygen Reduction Suified Build Concerning Charles (ALDIO) is presented by the Concerning Charles (ALDIO) is presented by the Charles (ALDIO
Izabela	Kuriov	Poland	REAC-OL-08	Experiment and theory of catalytic reactions 02	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 Monday, August 28, 2023	17:20 17:		North hall	Sulfided Ru/AC as a Prospective Catalyst for HDO in Supercritical Water Comparison of mechanisms of deNOx and deN2O processes on partial hydrated bimetallic Cu-Zn dimers in clinoptilolite zeolite - DFT study
Ewelina	Kusiak-Nejman	Poland	ENVP-OL-09	Environmental photocatalysis 04	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	10:50 11:	_	North hall	Carbon spheres modification and activation for CO2 capture and utilization
Jae Hyeon	Kwon	South Korea	DES-SOL-50	Catalyst design, novel catalytic materials 13	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	11:40 11:	50 C	Chamber hall	Encapsulated Ni-CeO2 nanoparticles with SiO2 shell for dry reforming of methane
Tristan	Labmert	USA	PHDP-KL-01	Photo-driven processes for fuel and organic synthesis 01	Keynote lecture (40 min.) - KL	Thursday, August 31, 2023	10:30 11:	10 S	South hall 2AB	Electrophotocatalysis: Combining Light and Electricity to Promote Reactions
Jean-Paul	Lange	Netherlands	BIO-OL-11	Biomass to chemicals and fuels 03	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023	10:30 10:	_	Panorama hall	Furfural manufacture at high yield
Anabel	Lanterna	United Kingdom	PHDP-OL-02	Photo-driven processes for fuel and organic synthesis 01	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	11:30 11:	_		Heterogeneous photocatalysis for sustainable organic transformations: Challenges and opportunities
Clara	Larghi Laurenti	Italy	CO2-OL-03	CO2 valorization 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023	11:10 11:	_	South hall 3BC South hall 3BC	CO2 methanation over Ru and Ni based catalysts: towards a comprehensive kinetic model through a multi-technique study Catalytic screening for microalgal bio-oil hydroconversion
Dorothée Andrea	Laurenti	France Italy	BIO-OL-08 EXH-SOL-05	Biomass to chemicals and fuels 02 Treatment of flue / exhaust gases 01	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Monday, August 28, 2023	17:00 17: 11:10 11:	_	Ferrace 2A	Catalytic screening for microalgal 610-011 hydroconversion Ceria-Supported Metal Nanocatalysts for CO Abatement in Industrial Combustion Exhaust Gases
Yong-Kul	Lee	South Korea	ELE-SOL-04	Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	11:00 11:		Terrace 2A	Activity and durability of hierarchical Fe-doped Ni(OH)2/Ni catalysts for alkaline oxygen evolution reaction: In situ XANES studies
Leon	Lefferts	Netherlands	CHEM-SOL-01	Bulk chemicals and polymers 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023			Terrace 2A	Plasma catalytic N2 activation with in-situ product adsorption
Marcus S.	Lehnertz	Germany	PUR-SOL-10	Catalytic technologies for liquid or solid waste reduction or purification 02	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023	15:00 15:	10 T	Terrace 2A	Chemical Recycling of thermoplastic Polymers with solid Catalysts
Walter	Leitner	Germany	ENVP-KL-01	Environmental photocatalysis 02	Keynote lecture (40 min.) - KL	7. 0 .	16:40 17:		Panorama hall	Hydrogen and CO2 as building blocks for chemical energy conversion
Johannes	Lercher	Germany	PL 03	Plenary session 3	Plenary lecture (60 min.) - PL	Monday, August 28, 2023	9:00 10:	_	Congress hall	Towards understanding catalysis at water-solid interfaces
Richard J.	Lewis	United Kingdom	DES-SOL-11	Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	12:10 12:		Chamber hall	Cyclohexanone oxime production via in-situ generated H2O2: a rival to industrial production.
Jiachen Shaofeng	li	Netherlands Denmark	BIO-SOL-23 ELE-SOL-09	Biomass to chemicals and fuels 09 Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 Thursday, August 31, 2023	17:40 17: 11:50 12:	_	Chamber hall Ferrace 2A	Crystal phase effects on the structure and performance of Nickle nanoparticles for H2-free glycerol conversion to alanine Electrosynthesis of ammonia with high selectivity and high rates via engineering of the solid-electrolyte interphase
Yubing	Li	China	GTL-SOL-09	Gas to liquids conversion 02	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 Thursday, August 31, 2023	11:50 12: 15:10 15:	_	Terrace 2A	Direct conversion of carbon dioxide into liquid fuels and chemicals by coupling green hydrogen at high temperature
Huirong	Li	Denmark	EXH-SOL-02	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	10:40 10:		Terrace 2A	Insight into the Effects of Dopants (Fe, Al) on Catalytic Performance and SO2 Tolerance of MnOx Catalysts for Low-Temperature NH3-SCR of NOx
Yongdan	Li	Finland	EXH-SOL-06	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	11:20 11:	_	Terrace 2A	Distinct morphology-dependent behavior and reaction mechanism over BaCoO3/CeO2 catalysts for NO direct decomposition
Luca	Lietti	Italy	CO2-SOL-07	CO2 valorization 03	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	17:00 17:		Chamber hall	A spatially-resolved operando FT-IR analysis on Dual Function Materials (DFMs) for CO2 capture and hydrogenation from flue gases
Bianca	Ligt	Netherlands	ELE-SOL-11	Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	12:10 12:	_	Terrace 2A	CO2 Electroreduction on Bimetallic Au-Cu2O Catalysts
Sheng-Hsiang	Lin	Germany	DES-SOL-08	Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	11:40 11:	_	Chamber hall	Copper-Decorated Iron Carbide Nanoparticles Heated by Magnetic Induction as Adaptive Multifunctional Catalysts for the Selective Hydrodeoxygenation (HDO) of Aldehydes
Shawn Lorenz	Lin Lindenthal	Taiwan Austria	CO2-OL-15 DES-OL-30	CO2 valorization 05	Standard oral lecture (20 min.) - OL	7. 0 .	14:50 15:		South hall 3BC South hall 2AB	The reactivity of oxygen vacancies of CeO2-based mixed oxides toward CO2 deoxygenation to CO
Luciana	Linuentnai	Italy	DYN-SOL-03	Catalyst design, novel catalytic materials 14 Catalysts and reactors under dynamic conditions for energy storage and conversion 02	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 Tuesday, August 29, 2023	15:10 15: 14:50 15:		Chamber hall	Synergetic effect of Pt,Cu and Au in metal nanoclusters on CeO2 as atomically precise active sites for WGS reaction: structural dynamics by operando XAFS and DRIFTS studies Sulfur tolerance of Na-Ru/Al2O3 dual function material during the cyclic CO2 capture and catalytic methanation
Ben	Liu	Japan	BIO-SOL-18	Biomass to chemicals and fuels 09	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	16:50 17:	_	Chamber hall	Selective C-O hydrogenolysis of terminal C-OH bond in 1,2-diols over rutile-titania-supported iridium-iron catalyst
Ning	Liu	China	REAC-OL-12	Experiment and theory of catalytic reactions 04	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	11:10 11:	_	Congress hall	Continuous oxidation of methane into methaol by N2O over Cu-Zeolite: A combined experimental and theoretical study
Francesca	Liuzzi	Italy	DES-SOL-48	Catalyst design, novel catalytic materials 13	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	11:20 11:	30 C	Chamber hall	Supported Pt and Pt/Ni nanoparticles from metal carbonyl clusters as effective catalysts for biobased molecules valorisation
Victor	Longo	Italy	ENVP-OL-06	Environmental photocatalysis 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023	17:20 17:	_	Panorama hall	Role of metal nanoparticles in non-oxidative methane coupling to ethane using a novel gas flow-through photocatalytic reactor
Celia Martin	Lopez	Spain	REAC-OL-15	Experiment and theory of catalytic reactions 04	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	12:10 12:		Congress hall	Continuous hydrogen production from liquid-phase formic acid dehydrogenation over Pd/AC catalyst: a modelling study
Liliana	Lukashuk	United Kingdom	EXH-SOL-12	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	12:20 12:	_	Terrace 2A	Valorising Emissions from Steel Making into Sustainable Products
Luca Singobile Vuvisile Lusanda	Maggiulli Mahlaba	Switzerland South Africa	CHAR-SOL-03 BIO-OL-30	Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 08	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023	16:20 16: 15:10 15:		Ferrace 2A South hall 3BC	Active carbenium species direct olefins selectivity in the methanol-to-olefins process Selectively oxidizing methane to formaldehyde over platinum nanoalloy catalysts in the presence of water
Lebohang	Macheli	South Africa	DES-OL-22	Catalyst design, novel catalytic materials 07	Standard oral lecture (20 min.) - OL	, , , , , , , , , , , , , , , , , , , ,	17:40 18:			Tailoring metal-support interactions via seedud single-atom inverse catalyst system
Denis	Makhmutov	Germany	CO2-SOL-05	CO2 valorization 03	Short oral lecture (10 min.) - SOL		16:40 16:			Metal-organic framework-based catalysts for CO2 hydrogenation: Insights from kinetic isotope effect studies
Yuichi	Manaka	Japan	EXH-SOL-08	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	11:40 11:	50 T	Terrace 2A	Cu/CeO2 catalyst for NH3 formation from NOx using CO+H2O as reductants
Nilesh	Manwar	Poland	DES-SOL-28	Catalyst design, novel catalytic materials 10	Short oral lecture (10 min.) - SOL	7: 0 :	11:00 11:		Chamber hall	Plasmonic Cu2SSe Nanocrystals: Chemical Synthesis and Applications
Haresh	Manyar	United Kingdom	BIO-OL-23	Biomass to chemicals and fuels 07	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	10:50 11:		South hall 3BC	Influence of Sulfation on Activity, & Stability of Metal oxide Catalysts for Vapor-phase Ketonisation of Volatile Fatty Acids
Antigoni	Margellou Marquart	Greece South Africa	BIO-OL-34 CO2-SOL-03	Biomass to chemicals and fuels 10 CO2 valorization 03	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Friday, September 1, 2023 Monday, August 28, 2023	10:00 10: 16:20 16:	_	Panorama hall Chamber hall	Catalytic hydrodeoxygenation of phenolic compounds and lignin pyrolysis bio-oils towards drop-in aviation fuels Application of Molybdenum Carbide Catalysts for the CO2-assisted Oxidative Dehydrogenation of Ethane
Wijnand Antonio J.	Martín	Switzerland	ELE-SOL-12	Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	12:20 12:		Terrace 2A	Application or involvement Caronice Catalysis on the Co2-assisted Oxidative Denydrogenation of Entrane Multicarbon Products by CO2 Electroreduction Using Polarized Nickel Catalysts Oxidative Denydrogenation of Catalysis Catalysis Catalysis Catalysts Oxidative Denydrogenation of Catalysis Catal
Agustín	Martínez	Spain	GTL-KL-01	Gas to liquids conversion 01	Keynote lecture (40 min.) - KL	Thursday, August 31, 2023	11:50 12:	_	Panorama hall	Intensification of Catalytic Processes for the Synthesis of Hydrocarbons from Renewable Feedstocks
María Elena	Martínez Monje	Spain	CHEM-SOL-02	Bulk chemicals and polymers 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	14:40 14:		Terrace 2A	Bimetallic Effects in MnMo Catalysts for the Direct and Selective Synthesis of Acetonitrile from NH3/Syngas Mixtures
Andrea	Martini	Germany	CHAR-OL-07	Catalyst characterization incl. operando methods: experiment and theory 04	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023	17:00 17:	20 N	North hall	Tracking the evolution of Ni-based single atom catalysts for the CO2 electroreduction reaction: an operando XAS study assisted by machine learning techniques
Thomas	Maschmeyer	Australia	BIO-OL-15	Biomass to chemicals and fuels 04	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023	14:30 14:	_	Panorama hall	BTEX from Lignin using a Novel Molybdenum Carbo-nitride@Titanium Nitride Catalyst
Luca	Mastroianni	Finland	REAC-OL-13	Experiment and theory of catalytic reactions 04	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	11:30 11:		Congress hall	Oxidative dehydrogenation of alcohols on gold: an experimental and computational study on the role of water and the alcohol chain length
Masahiko	Matsukata	Japan	CHEM-SOL-03 DES-SOL-47	Bulk chemicals and polymers 02 Catalyst design, poyal catalytic materials 12	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Thursday, August 31, 2023	14:50 15:		Terrace 2A	Zeolite-Catalyzed Cracking of Polyethylene in n-Cetane Modification of supported Bt paperarticles with basic metal evide clusters for N-formulation reaction using CO2 as a carbon source.
Yutaro Tomoki	Matsunaga Matsuyama	Japan Japan	CHAR-OL-08	Catalyst design, novel catalytic materials 13 Catalyst characterization incl. operando methods: experiment and theory 05	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 Thursday, August 31, 2023	11:10 11: 14:30 14:	_	Chamber hall Panorama hall	Modification of supported Pt nanoparticles with basic metal oxide clusters for N-formylation reaction using CO2 as a carbon source HERFD-XAS study on molecular adsorption states of strong base metal oxide cluster catalysts
Silvia	Mauri	Italy	CHAR-OL-03	Catalyst characterization incl. operando methods: experiment and theory 03	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023	15:10 15:	_	North hall	Hydrogen Production Mechanism in Low-Temperature Methanol Decomposition Catalyzed by Ni3Sn4 Intermetallic Compound: A Combined Operando and Density Functional Theory Investigation
Sofia	Mediavilla Madrigal		CHAR-SOL-11	Catalyst characterization incl. operando methods: experiment and theory 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	17:40 17:		Terrace 2A	Following the evolution of PdZn nanoparticles used for carbon dioxide activation
Will	Medlin	United States	DES-SOL-44	Catalyst design, novel catalytic materials 13	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	10:40 10:	50 C	Chamber hall	Modification of Rh/TiO2 Single Atom Catalysts with Amine-Fuctionalized Organic Monolayers to Promote CO2 Hydrogenation
Jonathan	Medlock	Switzerland	ENVP-SOL-04	Environmental photocatalysis 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023	16:30 16:	_	Terrace 2A	Photocatalytic Oxidation in the Fine Chemical Industry
Sankar	Meenakshisundaram	ů	BIO-OL-09	Biomass to chemicals and fuels 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023	17:20 17:		South hall 3BC	Ruthenium ion catalysed C-C bond cleavage in lignin model compounds - Towards lignin depolymerisation.
Hippolyte Martin	Meersseman Arango Mekkering	Delgium Netherlands	FINE-SOL-02 DES-OL-25	Fine chemicals 02	Short oral lecture (10 min.) - SOL		14:40 14:	_	Terrace 2A	Transaminase-membrane reactor for intensified chiral amines synthesis
Martijn	· ·VIPERPUIDS		DES-OL-25 DES-SOL-27	Catalyst design, novel catalytic materials 09 Catalyst design, novel catalytic materials 10	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL		11:10 11: 10:50 11:		Chamber hall	Bottom-up synthesis of stable platinum dimers on cerium oxide for hydrogen release Structure Engineering Steer the Photocatalytic Activity of Carbon Nitride in Organic Synthesis
	_	Iltaly	JEJ JOE 21	CO2 valorization 04		Tuesday, August 29, 2023	12:10 12:	_	South hall 3BC	Selectivity control between Reverse Water-Gas Shift and Fischer-Tropsch Synthesis in Iron-based Catalysts for CO2 Hydrogenation
Michele Weixin	Melchionna Meng	Italy Netherlands	CO2-OL-13	CO2 Valorization 04	Standard oral lecture (20 min.) - OL			_	Panorama hall	
Michele	Melchionna		CO2-OL-13 CHEM-OL-04	Bulk chemicals and polymers 01	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL				anorama nan	Successful Development of a Taylor-made Catalyst System for Linde's EDHOXTM Technology
Michele Weixin	Melchionna Meng Mestl Michel	Netherlands Germany France	CHEM-OL-04 REAC-SOL-04				11:00 11:	10 C	Chamber hall	Successful Development of a Taylor-made Catalyst System for Linde's EDHOXTM Technology Mechanistic investigations at the alumina/water interface
Michele Weixin Gerhard Carine Jyri-Pekka	Melchionna Meng Mestl Michel Mikkola	Netherlands Germany France Sweden	CHEM-OL-04 REAC-SOL-04 FINE-OL-02	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023	11:00 11: 11:30 11:	50 N	Chamber hall North hall	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed
Michele Weixin Gerhard Carine Jyri-Pekka Anca	Melchionna Meng Mestl Michel Mikkola Mirea	Netherlands Germany France Sweden Romania	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Monday, August 28, 2023	11:00 11: 11:30 11: 12:00 12:	50 N	Chamber hall North hall Chamber hall	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts
Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon	Melchionna Meng Mestl Michel Mikkola Mirea Mitchell	Netherlands Germany France Sweden Romania Switzerland	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11:	50 N 10 C 40 T	Chamber hall North hall Chamber hall Terrace 2A	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis
Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon Hiroki	Melchionna Meng Mestl Michel Mikkola Mirea Mitchell Miura	Netherlands Germany France Sweden Romania Switzerland Japan	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19 FINE-OL-03	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02 Fine chemicals 01	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11: 11:50 12:	50 N 10 C 40 T	Chamber hall North hall Chamber hall Terrace 2A North hall	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis Supported Gold Nanoparticles as Single-Electron Transfer Catalysts for Cross-Coupling Reactions
Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon Hiroki Emanuele	Melchionna Meng Mestl Michel Mikkola Mirea Mitchell Mitura Moioli	Netherlands Germany France Sweden Romania Switzerland Japan Switzerland	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19 FINE-OL-03 CO2-SOL-23	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02 Fine chemicals 01 CO2 valorization 08	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Wonday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Thursday, August 31, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11: 11:50 12: 17:40 17:	50 N 10 C 40 T 10 N 50 T	Chamber hall North hall Chamber hall Ferrace 2A North hall Ferrace 2A	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis Supported Gold Nanoparticles as Single-Electron Transfer Catalysts for Cross-Coupling Reactions Biogas methanation in an industrial-scale plate-type methanation reactor: interplay of reactor and catalyst optimization
Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon Hiroki	Melchionna Meng Mestl Michel Mikkola Mirea Mitchell Miura	Netherlands Germany France Sweden Romania Switzerland Japan	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19 FINE-OL-03	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02 Fine chemicals 01	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Thursday, August 31, 2023 Monday, August 28, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11: 11:50 12:	50 N 10 C 40 T 10 N 50 T 40 S	Chamber hall North hall Chamber hall Ferrace 2A North hall Ferrace 2A	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis Supported Gold Nanoparticles as Single-Electron Transfer Catalysts for Cross-Coupling Reactions
Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon Hiroki Emanuele Marta	Melchionna Meng Mestl Michel Mikkola Mirea Mitchell Mitura Moioli Mon	Netherlands Germany France Sweden Romania Switzerland Japan Switzerland Spain	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19 FINE-OL-03 CO2-SOL-23 DES-OL-10	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02 Fine chemicals 01 CO2 valorization 08 Catalyst design, novel catalytic materials 04	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Thursday, August 31, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11: 11:50 12: 17:40 17: 17:20 17:	50 N 10 C 40 T 10 N 50 T 40 S 50 T	Chamber hall North hall Chamber hall Ferrace 2A North hall Ferrace 2A South hall 2AB	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis Supported Gold Nanoparticles as Single-Electron Transfer Catalysts for Cross-Coupling Reactions Biogas methanation in an industrial-scale plate-type methanation reactor: interplay of reactor and catalyst optimization Sub-nanometric metal species supported in MOFs for organic synthesis
Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon Hiroki Emanuele Marta Olivier	Melchionna Meng Mestl Michel Mikkola Mirea Mitchell Miura Moioli Mon Monfort	Netherlands Germany France Sweden Romania Switzerland Japan Switzerland Spain Slovakia	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19 FINE-OL-03 CO2-SOL-23 DES-OL-10 ENVP-SOL-05 PUR-OL-02 ENVP-SOL-01	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02 Fine chemicals 01 CO2 valorization 08 Catalyst design, novel catalytic materials 04 Environmental photocatalysis 03	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (20 min.) - OL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 29, 2023 Wednesday, August 31, 2023 Monday, August 31, 2023 Tuesday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11: 11:50 12: 17:40 17: 17:20 17: 16:40 16:	50 N 10 C 40 T 10 N 50 T 40 S 50 T	Chamber hall North hall Chamber hall Ferrace 2A North hall Ferrace 2A South hall 2AB Ferrace 2A	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis Supported Gold Nanoparticles as Single-Electron Transfer Catalysts for Cross-Coupling Reactions Biogas methanation in an industrial-scale plate-type methanation reactor: interplay of reactor and catalyst optimization Sub-nanometric metal species supported in MOFs for organic synthesis Simultaneous coupling of photocatalysis and Fenton-based processes: an efficient strategy for water treatment?
Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon Hiroki Emanuele Marta Olivier Ainara Sergio Katarzyna	Melchionna Meng Mestl Michel Mikkola Mirea Mitchell Miura Moioli Mon Monfort Moral Morales-Torres Morawa Eblagon	Netherlands Germany France Sweden Romania Switzerland Japan Switzerland Spain Slovakia Norway Spain Portugal	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19 FINE-OL-03 CO2-SOL-23 DES-OL-10 ENVP-SOL-05 PUR-OL-02 ENVP-SOL-01 BIO-SOL-14	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02 Fine chemicals 01 CO2 valorization 08 Catalyst design, novel catalytic materials 04 Environmental photocatalysis 03 Catalytic technologies for liquid or solid waste reduction or purification 03 Environmental photocatalysis 03 Biomass to chemicals and fuels 09	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - SOL Standard oral lecture (20 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Wednesday, August 30, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Thursday, August 31, 2023 Monday, August 31, 2023 Monday, August 29, 2023 Wednesday, August 29, 2023 Tuesday, August 29, 2023 Thuesday, August 31, 2023 Thursday, August 31, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11: 11:50 12: 17:40 17: 17:40 17: 16:40 16: 10:50 11: 16:00 16: 16:10 16:	50 N 10 C 10 N 10 N 50 T 40 S 50 T 10 P 10 T	Chamber hall North hall Chamber hall Ferrace 2A North hall Ferrace 2A South hall 2AB Ferrace 2A Panorama hall Ferrace 2A Chamber hall	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis Supported Gold Nanoparticles as Single-Electron Transfer Catalysts for Cross-Coupling Reactions Biogas methanation in an industrial-scale plate-type methanation reactor: interplay of reactor and catalyst optimization Sub-nanometric metal species supported in MOFs for organic synthesis Simultaneous coupling of photocatalysis and Fenton-based processes: an efficient strategy for water treatment? Understanding of Fe reduction in the dechlorination of plastic waste derived pyrolysis oil using chlorobenzene as model compound Photocatalysts based on TiO2 and activated carbon for the ethylene removal from air stream "Catalytic valorization of sugarcane molasses to 5- hydroxymethylfurfural (HMF) in water"
Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon Hiroki Emanuele Marta Olivier Ainara Sergio Katarzyna Maël	Melchionna Meng Mestl Michel Mikkola Mikkola Mitra Mitchell Miura Moioli Mon Monfort Moral Morales-Torres Morawa Eblagon Morguen	Netherlands Germany France Sweden Romania Switzerland Japan Switzerland Spain Slovakia Norway Spain Portugal France	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19 FINE-OL-03 CO2-SOL-23 DES-OL-10 ENVP-SOL-05 PUR-OL-02 ENVP-SOL-01 BIO-SOL-14 PUR-OL-06	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02 Fine chemicals 01 CO2 valorization 08 Catalyst design, novel catalytic materials 04 Environmental photocatalysis 03 Catalytic technologies for liquid or solid waste reduction or purification 03 Environmental photocatalysis 03 Biomass to chemicals and fuels 09 Catalytic technologies for liquid or solid waste reduction or purification 03	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Stot oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - SOL Stont oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Thursday, August 31, 2023 Monday, August 31, 2023 Monday, August 29, 2023 Tuesday, August 29, 2023 Tuesday, August 31, 2023 Tuesday, August 31, 2023 Thursday, August 31, 2023 Wednesday, August 31, 2023 Wednesday, August 30, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11: 11:30 11: 11:30 11: 11:50 12: 17:40 17: 17:20 17: 16:40 16: 10:50 11: 16:00 16: 16:10 16: 12:10 12:	50 N 110 C 40 T 110 N 50 T 40 S 50 T 110 P 110 T 120 C	Chamber hall North hall Chamber hall Ferrace 2A North hall Ferrace 2A South hall 2AB Ferrace 2A Panorama hall Ferrace 2A Chamber hall	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis Supported Gold Nanoparticles as Single-Electron Transfer Catalysts for Cross-Coupling Reactions Biogas methanation in an industrial-scale plate-type methanation reactor: interplay of reactor and catalyst optimization Sub-nanometric metal species supported in MOFs for organic synthesis Simultaneous coupling of photocatalysis and Fenton-based processes: an efficient strategy for water treatment? Understanding of Fe reduction in the dechlorination of plastic waste derived pyrolysis oil using chlorobenzene as model compound Photocatalysts based on TiO2 and activated carbon for the ethylene removal from air stream "Catalytic valorization of sugarcane molasses to 5- hydroxymethylfurfural (HMF) in water" Self-decontaminating protective clothes: Layer-by-Layer TiO2 deposition for photocatalytic decontamination of Chemical Warfare Agents
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Michele Weixin Gerhard Carine Jyri-Pekka Anca Sharon Hiroki Emanuele Marta Olivier Ainara Sergio Katarzyna Maël Ilia Susanne Martin Guido	Melchionna Meng Mestl Michel Mikkola Mirea Mitchell Miura Moioli Mon Monfort Moral Morales-Torres Morawa Eblagon Morguen Moroz Mossin Muhler Mul	Netherlands Germany France Sweden Romania Switzerland Japan Switzerland Spain Slovakia Norway Spain Portugal France Israel Denmark Germany Netherlands	CHEM-OL-04 REAC-SOL-04 FINE-OL-02 DES-SOL-10 CHAR-SOL-19 FINE-OL-03 CO2-SOL-23 DES-OL-10 ENVP-SOL-05 PUR-OL-02 ENVP-SOL-01 BIO-SOL-14 PUR-OL-06 CHAR-OL-10 EXH-OL-07 REF-OL-03 PHDP-SOL-03	Bulk chemicals and polymers 01 Experiment and theory of catalytic reactions 03 Fine chemicals 01 Catalyst design, novel catalytic materials 02 Catalyst characterization incl. operando methods: experiment and theory 02 Fine chemicals 01 CO2 valorization 08 Catalyst design, novel catalytic materials 04 Environmental photocatalysis 03 Catalyst design, novel catalytic materials 04 Environmental photocatalysis 03 Environmental photocatalysis 03 Biomass to chemicals and fuels 09 Catalytic technologies for liquid or solid waste reduction or purification 03 Catalytic technologies for priquid or solid waste reduction or purification 03 Catalytic technologies for priquid or solid waste reduction or purification 03 Catalyst characterization incl. operando methods: experiment and theory 05 Treatment of flue / exhaust gases 03 Refining and petrochemistry 01 Photo-driven processes for fuel and organic synthesis 01	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Wednesday, August 30, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Thursday, August 31, 2023 Monday, August 31, 2023 Monday, August 29, 2023 Tuesday, August 29, 2023 Tuesday, August 29, 2023 Tuesday, August 31, 2023 Thursday, August 31, 2023 Wednesday, August 30, 2023 Thursday, August 31, 2023 Thursday, August 30, 2023 Thursday, August 31, 2023 Tuesday, August 29, 2023 Tuesday, August 29, 2023 Thursday, August 31, 2023	11:00 11: 11:30 11: 12:00 12: 11:30 11: 13:30 11: 13:30 11: 13:30 12: 17:40 17: 17:20 17: 16:40 16: 16:50 11: 16:50 16: 16:10 16: 12:10 12: 15:10 15: 15:10 15: 11:50 12:	50 N 10 C 40 T 10 N 50 T 40 S 50 T 10 P 10 T 20 C 30 P 30 S 30 S 110 S	Chamber hall North hall Chamber hall Chamber hall Chamber hall Ferrace 2A North hall Ferrace 2A South hall 2AB Ferrace 2A Chamber hall Panorama hall Panorama hall Panorama hall South hall 3BC Congress hall South hall 3BC	Mechanistic investigations at the alumina/water interface Competing commercial catalysts: Unprecedented catalyst activity and stability of Mizoroki-Heck reaction in a continuous packed bed Chemoselective reduction of cinnamaldehyde using low loading metal based catalysts Statistical Insights into Atomic Distributions in Single-Atom Catalysts through Machine Learning Assisted Image Analysis Supported Gold Nanoparticles as Single-Electron Transfer Catalysts for Cross-Coupling Reactions Biogas methanation in an industrial-scale plate-type methanation reactor: interplay of reactor and catalyst optimization Sub-nanometric metal species supported in MOFs for organic synthesis Simultaneous coupling of photocatalysis and Fenton-based processes: an efficient strategy for water treatment? Understanding of Fe reduction in the dechlorination of plastic waste derived pyrolysis oil using chlorobenzene as model compound Photocatalysts based on TiO2 and activated carbon for the ethylene removal from air stream "Catalytic valorization of sugarcane molasses to 5- hydroxymethylfurfural (HMF) in water" Self-decontaminating protective clothes: Layer-by-Layer TiO2 deposition for photocatalytic decontamination of Chemical Warfare Agents Development of Metal-Ion DNP NMR Technique or Characterization of MOF-based Catalysts Application of Ga-based catalysts for the non-oxidative dehydrogenation of methanol to formaldehyde and hydrogen Limitation of molecular twisting: Upgrading a donor-acceptor dye to drive H2 evolution

FIRST NAME	SURNAME	COUNTRY	Number	SESSION	FORM	Dav	From	To	Hall	TITLE OF PRESENTATION
Mariya	Myradova	Poland	REAC-SOL-06	Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023		11:30	Chamber hall	Tuning the metathesis performance of a molybdenum oxide-based catalyst by silica support acidity modulation and high temperature pretreatment
Maarten	Nachtegaal	Switzerland	CHAR-SOL-16	Catalyst characterization incl. operando methods: experiment and theory 02	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023	11:00	11:10	Terrace 2A	Operando XAS identifies monomeric Fe species in square planar geometry to be the active sites for low temperature NH3-SCR of NO
Suwat	Nanan	Thailand	ENVP-SOL-06	Environmental photocatalysis 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023		17:00	Terrace 2A	ZnO/ZnS heterostructure photocatalyst for complete removal of azo dyes and fluoroquinolone antibiotics in wastewater
Javier	Narciso	Spain	FINE-SOL-03	Fine chemicals 02	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023	_	15:00	Terrace 2A	NENU-5 as precursor of Mo2C for the syntheis of Anilines
Chiara Dominik	Negri Neukum	Italy Germany	CHAR-SOL-09 BIO-SOL-06	Catalyst characterization incl. operando methods: experiment and theory 01 Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Wednesday, August 30, 2023		17:30 11:30	Terrace 2A Terrace 2A	Insights on Au nanoparticle dynamics by UV-Vis operando spectroscopy: an application to CO2 activation via reverse water gas shift Optimization of catalytic system and process conditions for the oxidation of bio-based HMF solution in batch and continuous flow
Michael	Nikolajsen	Denmark	CO2-SOL-13	CO2 valorization 08	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023		16:10	Terrace 2A	Optimization of statistyte. System and process conductors for the extraordinary solution in bacter and continuous solutions and the extraordinary solution in bacter and continuous solutions and the extraordinary solution in bacter and continuous solutions. A Critical View on Direct Syngas to Aromatics over Combined Zinc Oxide on Zirconia and H-ZSM-5 Catalysts Solution of the extraordinary solutions and the extraordinary solution in the extraordinary
Rajeshreddy	Ninakanti	Belgium	ENVP-OL-04	Environmental photocatalysis 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023			Panorama hall	Effect of tunable shell thickness on the plasmon-enhanced photocatalytic activity of Au@TiO2 core-shell nanoparticles
Isabella	Nova	Italy	EXH-OL-16	Treatment of flue / exhaust gases 05	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	17:40	18:00	North hall	Experimental and modelling analysis of the Standard SCR mechanism over Cu-CHA catalysts: SAR and H2O effects on RHC and OHC
Nataša	Novak Tušar	Slovenia	DES-OL-32	Catalyst design, novel catalytic materials 15	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	_	16:40	South hall 2AB	A winning combination of CuFe oxide clusters and y-alumina support for low temperature total catalytic oxidation of volatile organic compounds
José A. Bunsho	Odriozola Ohtani	Spain Japan	CO2-SOL-14 PL 05	CO2 valorization 08	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023		16:20 10:00	Terrace 2A	CO2 upgrading via low-temperature RWGS reaction: operando mechanistic insights to guide an optimal catalysts design
Tamaki	Okamoto	Japan	PHDP-SOL-08	Plenary session 5 Photo-driven processes for fuel and organic synthesis 02	Plenary lecture (60 min.) - PL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 Friday, September 1, 2023		10:00	Congress hall North hall	Identification of Solids for True Design and Precise Characterization of Functional Materials Hydrogenation of styrene via plasmon-induced photodissociation of hydrogen molecule over Au/ZrO2
Fabio	Oldani	Switzerland	EXH-SOL-01	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023		10:40	Terrace 2A	Catalytic Activity and the Impact on Emissions: Fe-FER vs Fe-ZSM5
Helene	Olivier-Bourbigou	France	REF-KL-01	Refining and petrochemistry 01	Keynote lecture (40 min.) - KL	Tuesday, August 29, 2023	10:30	11:10	Congress hall	Adventure in Homogeneous catalysis: from laboratory to industrial applications
Laetitia	Oliviero	France	ELE-SOL-08	Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023		11:50	Terrace 2A	Edge sites of MoS2 catalysts are active for both HDS and HER reactions: the proof of concept
Eerika	Olkkonen	Finland	PUR-SOL-11	Catalytic technologies for liquid or solid waste reduction or purification 02	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023		15:20	Terrace 2A	Catalytic removal of brominated flame retardants from plastic waste
Tamás Louise	Ollár Olsson	Hungary Sweden	DES-SOL-31 EXH-KL-01	Catalyst design, novel catalytic materials 10 Treatment of flue / exhaust gases 2	Short oral lecture (10 min.) - SOL Keynote lecture (40 min.) - KL	Wednesday, August 30, 2023 Wednesday, August 30, 2023		11:40 11:50	Chamber hall South hall 3BC	Pt nanoparticles, clusters and single atom sites on MoS2 sheets for electrocatalytic water splitting Cleaning emissions from vehicles using catalysis
Masataka	Ono	Japan	CHEM-SOL-04	Bulk chemicals and polymers 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023		15:10	Terrace 2A	Cecuming Emissions on New York Control of State (1997) and 1997 an
Federica	Orabona	Finland	REAC-SOL-08	Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023	11:40	11:50	Chamber hall	Green synthesis of DPA: catalyst screening and kinetic investigation.
Vitaly	Ordomsky	France	DES-OL-15	Catalyst design, novel catalytic materials 05	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023	12:10	12:30	South hall 2AB	Liquid Metal Boosting Stability of Methanol to Hydrocarbons Conversion
Salvador	Ordonez	Spain	BIO-SOL-16	Biomass to chemicals and fuels 09	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023		16:40	Chamber hall	Comparison of oxygen and hydrogen peroxide as oxidants for obtaining furoic acid from furfural over supported gold catalysts
Ana	Orozco-Saumell	Spain	DES-SOL-21	Catalyst design, novel catalytic materials 08	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023		17:30	Chamber hall	A study of effect of the Ti loading on the reaction rate and of post-treatment of ammoximation of cyclopentanone using TS-1 as catalyst
Tatiana	Osterthun Otroshchenko	Germany Germany	DES-SOL-41 DES-SOL-06	Catalyst design, novel catalytic materials 12 Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 Monday, August 28, 2023	_	15:20 11:30	Chamber hall	Exploration of the chemical space: Bridging experimental and computational tools as pathway towards machine learning application for catalyst design Metathesis of ethylene with 2-butenes over MoOx-based catalysts: effect of support on catalyst activity and mechanistic insights into carbene formation
A. Ipek	Paksoy	United Kingdom	CO2-OL-16	CO2 valorization 05	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023		15:30	South hall 3BC	Dual Function Material Design for Circular Methanol Economy
Jose	Palomo	Netherlands	REAC-OL-04	Experiment and theory of catalytic reactions 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023			North hall	Operando spatial reactor analysis and kinetic study of oxidative coupling of methane
József S.	Pap	Hungary	ELE-SOL-07	Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023		11:40	Terrace 2A	The role of ligand heteroatoms in electrocatalytic hydrogen evolution by iron(II) N-heterocyclic complexes
Flora	Papadopoulou	Greece	CHEM-SOL-05	Bulk chemicals and polymers 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023	_	15:20	Terrace 2A	Investigation of Mo-based dispersed catalysts for the upgrading of heavy oils in slurry reactor
Joan Christopher	Papavasiliou Parlett	Greece United Kingdom	DES-SOL-46 DES-OL-13	Catalyst design, novel catalytic materials 13 Catalyst design, novel catalytic materials 05	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 Tuesday, August 29, 2023		11:10 11:10	Chamber hall South hall 2AB	Tuning the catalytic properties of CuZn-based materials synthesized via flame spray pyrolysis and hydrothermal methods for the production of hydrogen from methanol
Christopher William	Parlett Partridge	United Kingdom United States	EXH-OL-09	Catalyst design, novel catalytic materials 05 Treatment of flue / exhaust gases 04	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Thursday, August 29, 2023 Thursday, August 31, 2023		11:10 15:10	North hall	Designing catalysts for cascade upgrading of biomass derived substrates Intra-catalyst CH4-oxidation pathways of a three-way catalyst and implications on NOx-conversion profiles for a natural gas vehicle exhaust under lambda modulation
Vasile	Parvulescu	Romania	CO2-OL-08	CO2 valorization 04	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023		10:50	South hall 3BC	High C2-C4 selectivity in CO2 hydrogenation by particle size control of Co-Fe alloy nanoparticles wrapped on N-doped graphitic carbon
Vladimir	Paunovic	Switzerland	REF-OL-02	Refining and petrochemistry 01	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023	11:30	11:50	Congress hall	The Role of Formaldehyde in the Methanol-to-Hydrocarbons Conversion
Octavian-Dumitru	Pavel	Romania	DES-SOL-24	Catalyst design, novel catalytic materials 08	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023	17:50	18:00	Chamber hall	Organic alkalis as an alternative for eco-friendly mechano-chemical synthesis of Layered Double Hydroxides-type catalysts
Monica	Pazos Urrea	Norway	BIO-OL-28	Biomass to chemicals and fuels 08	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023	_	14:50	South hall 3BC	Aqueous-phase reforming of ethylene glycol over platinum-based catalysts supported on functionalised carbon nanofibres
Andreia	Peixoto	Portugal Italy	BIO-SOL-15 ELE-KL-01	Biomass to chemicals and fuels 09	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023		16:30 17:20	Chamber hall South hall 3BC	LAQV-REQUIMTE, Dep. de Química e Bioquímica, Faculdade de Ciências, Universidade do Porto, Rua do Campo Alegre s/n, 4169-007 Porto
Siglinda Carlo	Perathoner Perego	Italy	BIO-KL-01	Electrocatalysis, including fuel cells 02 Biomass to chemicals and fuels 01	Keynote lecture (40 min.) - KL Keynote lecture (40 min.) - KL	Thursday, August 31, 2023 Monday, August 28, 2023		11:10	Congress hall	(Photo)electrocatalysis: facing the challenge of extending its use to go beyond fossil fuels Renewable fuels form waste in the circular economy era
Manuel Fernando	Pereira	Portugal	ELE-OL-04	Electrocatalysis, including fuel cells 02	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023		18:00	South hall 3BC	Tailoring of Fe single-atoms on hollow carbon spheres for the oxygen reduction reaction
Javier	Perez Ramirez	Switzerland	PL 06	Plenary session 6	Plenary lecture (60 min.) - PL	Thursday, August 31, 2023	9:00	10:00	Congress hall	Catalysis and Sustainability: A Journey from Atom to Planet
Wander Y.	Perez Sena	Finland	BIO-OL-35	Biomass to chemicals and fuels 10	Standard oral lecture (20 min.) - OL	Friday, September 1, 2023		10:40	Panorama hall	Heterogeneous catalytic oxidation of furfural with hydrogen peroxide over a niobium catalyst
Nat	Phongprueksathat	Netherlands	CHAR-OL-06	Catalyst characterization incl. operando methods: experiment and theory 04	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023		17:00	North hall	Decisive roles of peripheral promoters in promoting methanol selectivity of CO2 hydrogenation over Cu-based catalysts
Piotr Thomas	Pietrzyk Pigeon	Poland France	PUR-SOL-08 REAC-OL-02	Catalytic technologies for liquid or solid waste reduction or purification 02 Experiment and theory of catalytic reactions 01	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 Monday, August 28, 2023	_	14:50 15:10	Terrace 2A North hall	Composite and mixed oxides for degradation of water pollutants with H2O2 or peroxosulfates – generation of reactive species and catalytic activity Computing catalytic reaction times and paths with machine learning and rare events sampling methods
Christian	Pichler	Austria	PUR-OL-03	Catalytic technologies for liquid or solid waste reduction or purification 03	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023		11:30	Panorama hall	Succinic acid as central intermediate for the conversion of waste substrates to ethylene
Catherine	Pinel	France	BIO-KL-03	Biomass to chemicals and fuels 05	Keynote lecture (40 min.) - KL	Tuesday, August 29, 2023	_	16:40	Panorama hall	Biomass as feedstock for non-food applications
Gerhard	Pirngruber	France	BIO-SOL-09	Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023	_	12:00	Terrace 2A	The dehydration of fructose to 5-HMF over hierarchical USY zeolites: mechanistic aspects and catalyst optimization
Stephan	Pitter	Germany	DES-SOL-09	Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023		12:00	Chamber hall	Scalable laboratory synthesis of Cu-based methanol catalysts
Dieter Daniela	Plessers Polino	Belgium Switzerland	CHAR-SOL-01 SURF-SOL-01	Catalyst characterization incl. operando methods: experiment and theory 01 Surface science & atomic level models: experiment and theory 03	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Thursday, August 31, 2023		16:10 14:40	Terrace 2A Chamber hall	Comparison of newly identified [Cu-O-Cu]2+ and [CuOH]+ Sites in Cu-CHA and Cu-MOR Zeolites for Selective Methane Oxidation to Methanol Innate dynamics of a metal surface unveiled by machine learning of atomic environments
Glenn	Pollefevt	Netherlands	DES-SOL-54	Catalyst design, novel catalytic materials 13		Thursday, August 31, 2023				Direct conversion of Syngas to Olefins over Bifunctional Catalysts: Catalyst design for Increased Olefin Yield and Stability
Vivek	Polshettiwar	India	CO2-OL-24	CO2 valorization 07	Standard oral lecture (20 min.) - OL					Tale of Hot Electrons of Black Gold as Catalyst for Storing Solar Energy into Carbon Dioxide
Georgeta	Postole	France	BIO-OL-10	Biomass to chemicals and fuels 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023	17:40	18:00	South hall 3BC	Relationship between number and strength of acid-base catalytic sites and their selectivity in isopropanol dehydration reaction
Matthew	Potter	United Kingdom	CHAR-OL-02	Catalyst characterization incl. operando methods: experiment and theory 03	Standard oral lecture (20 min.) - OL	1			North hall	Operando spectroscopy explores the synergy between Pd and In2O3 for active CO2 reduction catalysts
Supareak	Praserthdam	Thailand	SURF-SOL-02	Surface science & atomic level models: experiment and theory 03	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	_		Chamber hall	Catalytic Materials Screening by First-Principles and Machine Learning: A case of CO2 utilization
Gonzalo Ana	Prieto Primo	Spain Spain	DES-OL-38 DES-SOL-29	Catalyst design, novel catalytic materials 16 Catalyst design, novel catalytic materials 10	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Friday, September 1, 2023 Wednesday, August 30, 2023		10:20 11:20	South hall 2AB Chamber hall	Rh single-atom sites on oxygen-defective SnO2 for a selective gas-phase ethylene hydroformylation MXenes quantum dots as photocatalysts for hydrogen evolution
Jan	Přech	Czechia	CO2-SOL-24	CO2 valorization 08	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023		18:00	Terrace 2A	wincers quantum outs as processings as on information reaction Lewis acid garactim outs as processing in information reaction The processing of the proces
Eika	Qian	Japan	BIO-SOL-10	Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023		12:10	Terrace 2A	Selective Hydrodeoxygenation of Palm Fatty Acid Distillate to Produce n-Paraffin with Even Carbon Number
Jan-Christian	Raabe	Germany	DES-SOL-16	Catalyst design, novel catalytic materials 08	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023	16:30	16:40	Chamber hall	Synthesis, characterization and purification of tailor-made polyoxometalate (POM) catalysts for catalytic applications via the lacunary anion [PMo9034]9-
Alexandra	Radu	Netherlands	BIO-OL-18	Biomass to chemicals and fuels 05	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023		17:00	Panorama hall	Ceria-supported Bimetallics as Catalysts for Upgrading of Lignin to Marine Fuel
Reibelle	Raguindin	South Korea	BIO-OL-32	Biomass to chemicals and fuels 10	Standard oral lecture (20 min.) - OL	Friday, September 1, 2023			Panorama hall	A Comprehensive Investigation on the Co-Feeding of Furfural and Levulinic Acid for 2-Methyltetrahydrofuran Production using Alumina-Supported Bimetallic Catalysts Page 18 Description on the Co-Feeding of Furfural and Levulinic Acid for 2-Methyltetrahydrofuran Production using Alumina-Supported Bimetallic Catalysts
Christoph Evgeny	Rameshan Rebrov	Austria Netherlands	DES-OL-16 DES-KL-03	Catalyst design, novel catalytic materials 06 Catalyst design, novel catalytic materials 05	Standard oral lecture (20 min.) - OL Keynote lecture (40 min.) - KL	Tuesday, August 29, 2023 Tuesday, August 29, 2023		15:30 11:50	South hall 2AB South hall 2AB	Perovskites as High Performance reverse Water Gas Shift Catalysts Magnetic Catalysts and Catalytic Magnets: Never the twain?
Patricia	Reñones Brasa	Spain	BIO-OL-19	Biomass to chemicals and fuels 05	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023			Panorama hall	Waste vegetable oil as a source of Green fuels
Romain	Reocreux	United Kingdom	SURF-OL-05	Surface science & atomic level models: experiment and theory 01	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023		12:10	North hall	Atomic Charges and a 10-Electron Count Rule To Predict the Relativity of Single-Atom Alloy Catalysts
Alexander	Reznichenko	Finland	BIO-OL-20	Biomass to chemicals and fuels 05	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023			Panorama hall	Emulsion templated unsupported micropsherical catalysts for slurry phase hydrotreatment of lignocellulosic bio-oils
Alberto	Ricchebuono	Italy	CHAR-OL-04	Catalyst characterization incl. operando methods: experiment and theory 04	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023	_	16:20	North hall	Ductility of Pd and Pt catalysts in presence of Reactive Adsorbates
Anders Robert	Riisager Rioux	Denmark United States	BIO-OL-13 INMC-OL-01	Biomass to chemicals and fuels 03 Intermetallic compounds in catalysis 01	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 Wednesday, August 30, 2023			Panorama hall Panorama hall	Design of Aluminum Phosphate Catalysts for Selective Valorization of Biomass-derived Furfural Well-defined active sites in intermetallics: Consequence of nuclearity and composition in selective hydrogenation
Honatan	Rodriguez Pereira	Czechia	DES-SOL-30	Catalyst design, novel catalytic materials 10	Short oral lecture (20 min.) - OL	Wednesday, August 30, 2023 Wednesday, August 30, 2023			Chamber hall	well-defined active sites in intermetallics: Consequence of nuclearity and composition in selective nydrogenation 2D Molybdenum Dichalcogenides by Atomic Layer Deposition towards photo and electrocatalysis
Maarten B. J.	Roeffaers	Belgium	CHAR-KL-01	Catalyst characterization incl. operando methods: experiment and theory 04	Keynote lecture (40 min.) - KL	Tuesday, August 29, 2023	_	18:00	North hall	Nano-imaging chemical properties of zeolite catalysts
Graça	Rocha	Portugal	REAC-SOL-10	Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023	_		Chamber hall	Esterification of levulinic acid catalysed with metal(IV) phosphates: An efficient route to obtain fuel aditives
Anca	Roibu	Romania	ENVP-SOL-10	Environmental photocatalysis 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023		17:40	Terrace 2A	Visible-light photocatalytic activity screening of reduced TiO2 in batch and flow: A sustainability analysis
Sergio	Rojas	Italy	DES-SOL-53	Catalyst design, novel catalytic materials 13	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	_	12:20	Chamber hall	Pt single-atom catalyst (SAC) supported on the UiO-66(Ce) for the low-temperature CO oxidation reaction
Marcus avier	Rose Ruiz-Martinez	Germany Saudi Arabia	BIO-OL-25 EXH-SOL-07	Biomass to chemicals and fuels 07 Treatment of flue / exhaust gases 01	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 Monday, August 28, 2023	11:30 11:30	11:50 11:40	South hall 3BC Terrace 2A	Catalytic conversion of biobased ketones to renewable aromatics: Influence of solid acid catalysts and reaction engineering Unravelling the structure and role of Mn and Ce for NOx reduction in aplication-relevant catalysts
avier Agnieszka	Ruppert	Poland	BIO-OL-12	Biomass to chemicals and fuels 03	Standard oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023			Panorama hall	Tunable Ru-Ni catalysts with controlled particle size for 5-hydroxymethylfurfural hydrodeoxygenation
Günther	Rupprechter	Austria	SURF-OL-01	Surface science & atomic level models: experiment and theory 01	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023		10:50	North hall	Real-time observation of catalytic hydrogen oxidation by in situ correlative surface microscopy
akub	Rusek	Czechia	ENVP-OL-05	Environmental photocatalysis 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023	_	16:40	Panorama hall	Photocatalytic efficiency of VOC removal on TiO2 nanotubes: Effect of layer thickness
Oorota	Rutkowska-Zbik	Poland	BIO-SOL-13	Biomass to chemicals and fuels 09	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023	_		Chamber hall	The supported Cu-Ni bimetallic catalysts for vapor phase conversion of furfuryl aldehyde
	Ryaboshapka	France	DES-SOL-32	Catalyst design, novel catalytic materials 10	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023	_	11:50	Chamber hall	Ultradispersed Mo sulfide catalysts: single atoms or few-atom clusters? Critical Role of Water in Professorial Carbon Monovide Ovidation, over Pt. En Catalysts: Operando VAS /OPIETS Approach
	Sadukov	Switzerland United Kingdom	CHAR-OL-16 DES-OL-29	Catalyst characterization incl. operando methods: experiment and theory 07 Catalyst design, novel catalytic materials 11	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Friday, September 1, 2023 Wednesday, August 30, 2023		9:40 15:30	South hall 3BC South hall 2AB	Critical Role of Water in Preferential Carbon Monoxide Oxidation over Pt-Fe Catalysts: Operando XAS/DRIFTS Approach Exsolving Fe-X (X= Cu, Co) Catalysts for CO2 to Synthetic Fuels
lia	Sadykov Saini		BIO-SOL-11	Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023		12:20	Terrace 2A	Ensymatic Epoxidation of Fatty Acids: Catalysis, Kinetics and Process Intensification by Acoustic Irradiation
llia Shailza	Sadykov Saini Salmi	Finland		12		Thursday, August 31, 2023		11:40	Chamber hall	Dealumanation Effect on the Catalytic Properties of Ni-BEA Zeolite Catalyst in the Dry Reforming of Methane
lia Shailza Fapio	Saini		DES-SOL-49	Catalyst design, novel catalytic materials 13	Short oral lecture (10 min.) - SOL		1	45.40		
llia Shailza Tapio Denys	Saini Salmi	Finland	DES-SOL-49 GTL-SOL-04	Catalyst design, novel catalytic materials 13 Gas to liquids conversion 02	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023		15:10	Terrace 2A	Effect of CO2 content in feed gas mixture for Fischer-Tropsch Synthesis over Co/SiO2 catalyst
lia Shailza Fapio Denys Shigeo oachim	Saini Salmi Samoylenko Satokawa Sauer	Finland Ukraine Japan Germany	DES-SOL-49 GTL-SOL-04 REAC-OL-09	Gas to liquids conversion 02 Experiment and theory of catalytic reactions 02	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023	17:40	18:00	North hall	Ab Initio Predictions for Heats of Adsorption and Reaction Barriers for Alkanes in Acidic Zeolites
llia Shailza Tapio Denys Shigeo Joachim Prem Kumar	Saini Salmi Samoylenko Satokawa Sauer Seelam	Finland Ukraine Japan Germany Finland	DES-SOL-49 GTL-SOL-04 REAC-OL-09 CO2-OL-02	Gas to liquids conversion 02 Experiment and theory of catalytic reactions 02 CO2 valorization 01	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Monday, August 28, 2023	17:40 10:50	18:00 11:10	North hall South hall 3BC	Ab Initio Predictions for Heats of Adsorption and Reaction Barriers for Alkanes in Acidic Zeolites Activity of Ni modified WO3 doped CeO2-ZrO2 based catalysts in selective methanation of CO2: effect of Ce/Zr ratio and WO3 loading
Ilia Shailza Tapio Denys Shigeo Joachim Prem Kumar Mariya	Saini Salmi Samoylenko Satokawa Sauer Seelam Shamzhy	Finland Ukraine Japan Germany Finland Czechia	DES-SOL-49 GTL-SOL-04 REAC-OL-09 CO2-OL-02 DES-SOL-20	Gas to liquids conversion 02 Experiment and theory of catalytic reactions 02 CO2 valorization 01 Catalyst design, novel catalytic materials 08	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023	17:40 10:50 17:10	18:00 11:10 17:20	North hall South hall 3BC Chamber hall	Ab Initio Predictions for Heats of Adsorption and Reaction Barriers for Alkanes in Acidic Zeolites Activity of Ni modified WO3 doped CeO2-ZrO2 based catalysts in selective methanation of CO2: effect of Ce/Zr ratio and WO3 loading Lewis acid zeolites by regioselective manipulation of germanosilicates
ilia Shailza Tapio Denys Shigeo Joachim Prem Kumar Mariya	Saini Salmi Samoylenko Satokawa Sauer Seelam	Finland Ukraine Japan Germany Finland	DES-SOL-49 GTL-SOL-04 REAC-OL-09 CO2-OL-02	Gas to liquids conversion 02 Experiment and theory of catalytic reactions 02 CO2 valorization 01 Catalyst design, novel catalytic materials 08 Fine chemicals 02	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023	17:40 10:50 17:10 3 15:00	18:00 11:10	North hall South hall 3BC	Ab Initio Predictions for Heats of Adsorption and Reaction Barriers for Alkanes in Acidic Zeolites Activity of Ni modified WO3 doped CeO2-ZrO2 based catalysts in selective methanation of CO2: effect of Ce/Zr ratio and WO3 loading
llia Shailza Tapio Denys Shigeo Joachim Prem Kumar Mariya Natalia Kosuke	Saini Salmi Samoylenko Satokawa Sauer Seelam Shamzhy Shcherban	Finland Ukraine Japan Germany Finland Czechia Ukraine	DES-SOL-49 GTL-SOL-04 REAC-OL-09 CO2-OL-02 DES-SOL-20 FINE-SOL-04	Gas to liquids conversion 02 Experiment and theory of catalytic reactions 02 CO2 valorization 01 Catalyst design, novel catalytic materials 08	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023	17:40 10:50 17:10 3 15:00 16:20	18:00 11:10 17:20 15:10	North hall South hall 3BC Chamber hall Terrace 2A	Ab Initio Predictions for Heats of Adsorption and Reaction Barriers for Alkanes in Acidic Zeolites Activity of Ni modified WO3 doped CeO2-ZrO2 based catalysts in selective methanation of CO2: effect of Ce/Zr ratio and WO3 loading Lewis acid zeolites by regioselective manipulation of germanosilicates Florol synthesis via Prins cyclization over hierarchical zeolites of different types and composition
Daria Ilia Shailza Tapio Denys Shigeo Joachim Prem Kumar Mariya Natalia Kosuke Tetsuya Kazuki	Saini Salmi Samoylenko Satokawa Sauer Seelam Shamzhy Shcherban Shimoda	Finland Ukraine Japan Germany Finland Czechia Ukraine Japan	DE5-SOL-49 GTL-SOL-04 REAC-OL-09 CO2-OL-02 DE5-SOL-20 FINE-SOL-04 REAC-OL-05	Gas to liquids conversion 02 Experiment and theory of catalytic reactions 02 CO2 valorization 01 Catalyst design, novel catalytic materials 08 Fine chemicals 02 Experiment and theory of catalytic reactions 02	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 Monday, August 28, 2023 Tuesday, August 29, 2023 Wednesday, August 30, 2023 Monday, August 28, 2023	17:40 10:50 17:10 3 15:00 16:20 11:30	18:00 11:10 17:20 15:10 16:40 11:50	North hall South hall 3BC Chamber hall Terrace 2A North hall South hall 3BC	Ab Initio Predictions for Heats of Adsorption and Reaction Barriers for Alkanes in Acidic Zeolites Activity of Ni modified WO3 doped CeO2-ZrO2 based catalysts in selective methanation of CO2: effect of Ce/Zr ratio and WO3 loading Lewis acid zeolites by regioselective manipulation of germanosilicates Florol synthesis via Prins cyclization over hierarchical zeolites of different types and composition Local structural changes of Mo3VOx by the heat treatment and its effects on propan ammoxidation

FIRST NAME	SURNAME	COUNTRY	Number	SESSION	FORM	Day From	То	Hall	TITLE OF PRESENTATION
Nicola	Schiaroli	Italy	FINE-OL-04	Fine chemicals 01	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 12:10	12:30	North hall	A study of the acylation of 1,3-Benzodioxole over ion exchange resins
Sabine	Schmitz-Stöwe	Germany	PUR-SOL-01	Catalytic technologies for liquid or solid waste reduction or purification 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 14:30	14:40	Chamber hall	Catalyst and reactor design for high-throughput photocatalyst screening for degradation of female hormones in water
Suzan	Schoemaker Schühle	Netherlands	DES-SOL-51	Catalyst design, novel catalytic materials 13	Short oral lecture (10 min.) - SOL	,, , , , , , , , , , , , , , , , , , ,	12:00	Chamber hall	Carbon nanofiber growth from methane over carbon-supported NiCu catalysts: Two temperature regimes Resolving the enhanced performance of Mn modified spinel based CO2 methanation catalysts by combining ex situ and operando analysis
Patrick Patrick	Schühle	Germany Germany	DES-OL-27 DYN-SOL-02	Catalyst design, novel catalytic materials 11 Catalysts and reactors under dynamic conditions for energy storage and conversion 02	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 14:30 Tuesday, August 29, 2023 14:40	14:50 14:50	South hall 2AB Chamber hall	Dynamic hydrogen release from LOHC using a highly efficient catalyst coating
Stephan Andreas	Schunk	Germany	2023-KL1-award	Awards	Keynote lecture (40 min.) - KL	Friday, September 1, 2023 9:00	9:40	Congress hall	How Artificial Intelligence and Knowledge Graphs will change Development Workflows in Catalysis
Carsten	Sievers	United States	PUR-OL-01	Catalytic technologies for liquid or solid waste reduction or purification 03	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 10:30	10:50	Panorama hall	Mechanocatalytic Depolymerization of Plastics
David	Simakov	Canada	CO2-SOL-17	CO2 valorization 08	Short oral lecture (10 min.) - SOL		16:50	Terrace 2A	Reverse Microemulsion Synthesis Promotes the Formation of Iron Carbide in Direct Hydrogenation of CO2 to Light Hydrocarbons
Alessandra	Sivo	Italy	PHDP-SOL-05	Photo-driven processes for fuel and organic synthesis 02	Short oral lecture (10 min.) - SOL	Friday, September 1, 2023 10:00	10:10	North hall	Modulating the Nanostructure of Carbon Nitride for Improved Continuous-Flow Trifluoromethylation of (Hetero)Arenes
Salomé Ricardo	Soares Soares	Portugal Brazil	CO2-SOL-10 GTL-SOL-03	CO2 valorization 03 Gas to liquids conversion 02	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 17:30 Thursday, August 31, 2023 14:50	17:40 16:00	Chamber hall Terrace 2A	Carbon—ZrO2 composite as support for Ni-based CO2 methanation catalyst High performance of Fe-Mn/Nb2O5 catalysts in the Fischer-Troosch Synthesis
Alexander	Søgaard	Germany	DES-OL-39	Catalyst design, novel catalytic materials 16	Standard oral lecture (20 min.) - OL	Friday, September 1, 2023 10:20	10:40	South hall 2AB	Tings performance on Ferminy mode on the Property of the Prope
Zbigniew	Sojka	Poland	EXH-OL-10	Treatment of flue / exhaust gases 04	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 15:10	15:30	North hall	Competition between NO Reduction and NH3 Oxidation during SCR Reaction on CuSSZ-13 Catalysts Shown by Isotopic 15NH3 and 18O2 and 2D COS IR Investigations Supported by DFT Modelling
Bjørn	Solemsli	Norway	GTL-SOL-06	Gas to liquids conversion 02	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 15:20	15:30	Terrace 2A	Methylation of light alkenes and aromatics though step-wise reaction with methane in Cu-exchanged Zeolites
Angel	Sousa	Saudi Arabia	PHDP-SOL-03	Photo-driven processes for fuel and organic synthesis 01	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 12:10	12:20	South hall 2AB	An efficient metal-organic framework-derived nickel catalyst for the light-driven methanation of CO2
Anna Petr	Śrębowata Stavárek	Poland Czechia	FINE-SOL-05 ENVP-SOL-11	Fine chemicals 02	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 15:10 Tuesday, August 29, 2023 17:40	15:20	Terrace 2A	Continuous - flow selective hydrogenation processes towards the formation of pharmaceutical intermediates Conshits Contain Nation Nation (National National
Pawel	Stelmachowski	Poland	ELE-SOL-01	Environmental photocatalysis 03 Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 17:40 Thursday, August 31, 2023 10:30	17:50 10:40	Terrace 2A Terrace 2A	Graphitic Carbon Nitride Thin Films for Visible Light Pollutant Degradation in Photo-microreactor Electrocatalytic activity in the oxygen evolution reaction of ordered mesoporous carbon-supported cobalt oxide nanoparticles
Michael	Stockenhuber	Australia	BIO-OL-16	Biomass to chemicals and fuels 04	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 14:50	15:10	Panorama hall	A new method to control dispersion of transition metal catalysts and its application for biomass valorisation
Andrea	Strazzolini	Italy	DYN-SOL-04	Catalysts and reactors under dynamic conditions for energy storage and conversion 02	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 15:00	15:10	Chamber hall	Enhanced Ca2Fe2OS Composites for Chemical Looping Reforming of Methane
Evgenii	Strugovshchikov	Spain	SURF-OL-09	Surface science & atomic level models: experiment and theory 02	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 15:10	15:30	North hall	Towards more realistic simulations of catalysis: supported metal nanoclusters on oxide surfaces
Marta	Stucchi	Italy	REAC-OL-06	Experiment and theory of catalytic reactions 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 16:40	17:00	North hall	Disclosing the interaction between heterogeneous catalysts and substrates in liquid phase reactions
Aleš Young-Woong	Stýskalík Suh	Czechia South Korea	DES-OL-37 CHEM-SOL-06	Catalyst design, novel catalytic materials 16 Bulk chemicals and polymers 02	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Friday, September 1, 2023 9:40 Monday, August 28, 2023 15:20	10:00 15:30	South hall 2AB Terrace 2A	Ethanol dehydration over hybrid aluminosilicate catalysts prepared by non-hydrolytic sol-gel: One-pot synthesis vs. Surface grafting Overcoming the performance limits of commercial benzyltoluene as liquid organic hydrogen carrier by tuning the isomer composition
Ivan	Surin	Switzerland	DES-SOL-12	Catalyst design, novel catalytic materials 02	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 12:20	12:30	Chamber hall	Low-Valent Manganese Atoms Stabilized on Ceria for Nitrous Oxide Synthesis
Vitaly	Sushkevich	Switzerland	DES-OL-34	Catalyst design, novel catalytic materials 15	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 17:00	17:20	South hall 2AB	Deciphering the Mechanism of Crystallization of MIL-53 and UiO-66 Metal-Organic Frameworks
Ingeborg-Helene	Svenum	Norway	SURF-SOL-03	Surface science & atomic level models: experiment and theory 03	Short oral lecture (10 min.) - SOL	,, , , , , , , , , , , , , , , , , , ,	16:00	Chamber hall	Understanding the interaction of CH3Cl with Cu-based surfaces
Ladislav	Svoboda	Czechia	ENVP-OL-02	Environmental photocatalysis 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 14:50	15:10	Panorama hall	Continuous in situ measurement of photocatalytic efficiency of powder materials in liquid dispersions by optical absorption method
Radovan	Šebesta	Slovakia	FINE-KL-01	Fine chemicals 01 Biomass to chemicals and fuels 03	Keynote lecture (40 min.) - KL	Wednesday, August 30, 2023 10:30	11:10	North hall	Green asymmetric organocatalysis
Tommaso Taymaz	Tabanelli Tabari	Italy Poland	BIO-OL-14 DES-OL-24	Biomass to chemicals and fuels 03 Catalyst design, novel catalytic materials 09	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 11:30 Wednesday, August 30, 2023 10:50	11:50 11:10	Panorama hall South hall 2AB	Beyond y-valerolactone: from levulinates to C5 and C7 esters through innovative continuous-flow processes in the gas phase How can we profit from merging catalysis with photocatalysis?
Shohei	Tada	Japan	DES-SOL-43	Catalyst design, novel catalytic materials 13	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 10:30	10:40	Chamber hall	What are the active sites on MiCeO2 for CO2 methanation?
Mika	Takeuchi	Japan	REAC-SOL-03	Experiment and theory of catalytic reactions 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 10:50	11:00	Chamber hall	Unsaturated dicarboxylic acid production from CO ₃ and pyruvate with hybrid photo/bio catalytic system
Masazumi	Tamura	Japan	FINE-SOL-06	Fine chemicals 02	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 15:20	15:30	Terrace 2A	Hydrogenation of N-heteroaromatics over SiO2-supported Ni–Ir alloy catalyst
Nathalie	Tanchoux	France	DES-SOL-17	Catalyst design, novel catalytic materials 08	Short oral lecture (10 min.) - SOL	7. 0	16:50	Chamber hall	Potential uses in heterogeneous catalysis of newly synthesized polyacid-functionalized mesoporous materials
Maria	Tasioula	Greece	CO2-SOL-02 BIO-OL-26	CO2 valorization 03	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 16:10	16:20	Chamber hall	CO2 utilization for on-purpose ethylene production via ethane dehydrogenation over highly selective iron oxide sites
Petter Søren	Tingelstad Tolborg	Norway Denmark	BIO-OL-26 BIO-OL-17	Biomass to chemicals and fuels 07 Biomass to chemicals and fuels 04	Standard oral lecture (20 min.) - OL Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 11:50 Tuesday, August 29, 2023 15:10	12:10 15:30	South hall 3BC Panorama hall	Vapour phase upgrading of acetic acid over noble metal promoted metal oxides at hydropyrolysis conditions: reaction mechanisms and pathways Extending catalyst lifetime of Sn-Beta through tandem reduction/ re-oxidation treatment
Sandra Yurani	Toledo Camacho	Spain	ENVP-SOL-12	Environmental photocatalysis 03	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 17:50	18:00	Terrace 2A	Photocatalytic H2 Generation on TiO2-based Catalysts and the Effect of the Reaction set-up Configuration on the Photocatalytic Effiency
Pasi	Tolvanen	Finland	PUR-SOL-07	Catalytic technologies for liquid or solid waste reduction or purification 02	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 14:30	14:40	Terrace 2A	Degradation of pharmaceuticals in water by combined ozonation and catalytic technologies: Metoprolol
Enrico	Tronconi	Italy	EXH-OL-15	Treatment of flue / exhaust gases 05	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 17:20	17:40	North hall	Coupling RHC and OHC kinetics to close the low-temperature NH3-SCR redox cycle over Cu-CHA catalysts
Róbert	Tuba	Hungary	PUR-OL-04	Catalytic technologies for liquid or solid waste reduction or purification 03	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 11:30	11:50	Panorama hall	Sustainable Olefin Metathesis: Catalytic Conversion of Persistent Plastics to Propylene
Roland Mohd	Turnell-Ritson Ussama	Switzerland India	CO2-OL-12 REAC-SOL-07	CO2 valorization 04 Experiment and theory of catalytic reactions 03	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 11:50 Tuesday, August 29, 2023 11:30	12:10 11:40	South hall 3BC Chamber hall	Selective CO2 Hydrogenation to Methyl Formate using CO2 as the Sole Carbon Source Understanding the Acid Catalyzed Transformation of Biorenewable Lactones: Solvent Effects and Rational Design of Solvated Environment
Štefan	Vajda	Czechia	DES-KL-05	Catalyst design, novel catalytic materials 09	Keynote lecture (40 min.) - KL	Wednesday, August 30, 2023 11:50	12:30	South hall 2AB	Cincer standing the Acto Catalyzed Transformation of biomericana Expension States and Hydrogenation Reactions Size- and Composition—Selected Subnanomer Cluster Catalysts in Oxidative Dehydrogenation and Hydrogenation Reactions Size- and Composition—Selected Subnanomer Cluster Catalysts in Oxidative Dehydrogenation and Hydrogenation Reactions
Zuzana	Vajglova	Finland	BIO-OL-21	Biomass to chemicals and fuels 05	Standard oral lecture (20 min.) - OL		18:00	Panorama hall	Effect of the catalyst support on the physico-chemical properties of low-cost FeNi catalysts for production of renewable fuels by dihydroeugenol hydrodeoxygenation
Antonio	Valverde-González	France	DES-SOL-36	Catalyst design, novel catalytic materials 10	Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 12:20	12:30	Chamber hall	Supramolecular organocatalysis with novel BTA helical structure
Jessi	van der Hoeven	Netherlands	REAC-OL-07	Experiment and theory of catalytic reactions 02	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 17:00	17:20	North hall	Unraveling 1-Hexene Hydrogenation over Dilute Pd-in-Au Alloys
Hendrik Maaike	Van Dessel van Ittersum	Belgium Netherlands	CO2-OL-14 CO2-SOL-15	CO2 valorization 05 CO2 valorization 08	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 14:30 Thursday, August 31, 2023 16:20	14:50 16:30	South hall 3BC Terrace 2A	Hydroformylation with CO2 through combined homogeneous and zeolite catalysis Pore size effects in porous Ag electrodes for electrochemical CO2 reduction
Matthias	Vandichel	Ireland	SURF-OL-07	Surface science & atomic level models: experiment and theory 02	Standard oral lecture (20 min.) - OL	,, , , , , , , , , , , , , , , , , , ,	14:50	North hall	Fore size enects in private agreement of the private and the p
Hilde J.	Venvik	Norway	SURF-OL-04	Surface science & atomic level models: experiment and theory 01	Standard oral lecture (20 min.) - OL				In situ NAP-XPS characterization of PdAg single crystals and polycrystalline thin films
Tomás	Vergara	Chile	CO2-SOL-18	CO2 valorization 08	Short oral lecture (10 min.) - SOL		17:00	Terrace 2A	Structure sensitivity of methanol synthesis from CO2 on Cu/ZrO2 catalysts
Nora	Vidal Duarte	Spain	PUR-SOL-03	Catalytic technologies for liquid or solid waste reduction or purification 01	Short oral lecture (10 min.) - SOL	,	_	Chamber hall	Lignin Oxidation towards High-Added-Value carboxylic acids under mild hydrothermal conditions using MgO-based catalysts
Francisco	Villagra-Soza	Chile	CO2-SOL-06	CO2 valorization 03	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 16:50		Chamber hall	Effect of In content on In203/ZrO2 catalysts for methanol synthesis via CO2 hydrogenation
Francisco	Villagra-Soza Vomeri	Chile Italy	CO2-SOL-08 BIO-SOL-08	CO2 valorization 03 Biomass to chemicals and fuels 06	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 17:10 Wednesday, August 30, 2023 11:40	17:20 11:50	Chamber hall	Mechanistic relationship between CO and CO2 hydrogenation over mono- and bimetallic Ni, Co and NiCo catalysts Oxidation of cyclohexane to KA oil using noble metal-free Ce and Zr-based mixed oxides
Alessandro Carl-Johan	Wallentin	Sweden	PHDP-OL-01	Photo-driven processes for fuel and organic synthesis 01	Short oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 11:40	11:30	Terrace 2A South hall 2AB	Generation and Utilization of Oxygen Centred Radicals in C–C and C–O Bond Forming Processes
Wenchao	Wan	Germany	ELE-SOL-02	Electrocatalysis, including fuel cells 01	Short oral lecture (10 min.) - SOL		10:50	Terrace 2A	In situ XAS investigation of carbon-supported single-site catalysts for water oxidation
Yan	Wang	Saudi Arabia	DES-OL-07	Catalyst design, novel catalytic materials 03	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 15:10	15:30	South hall 2AB	Unveiling the Evolution of N2O Species over Atomically Dispersed Mn species supported on the TiO2 for NOx Selective Reduction with NH3
Yaolin	Wang	United Kingdom	DES-SOL-18	Catalyst design, novel catalytic materials 08	Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 16:50	17:00	Chamber hall	Shielding effect of mesoporous catalysts for plasma-enhanced catalytic synthesis of ammonia under ambient conditions
Yong	Wang	United States	DYN-OL-05	Catalysts and reactors under dynamic conditions for energy storage and conversion 01	Standard oral lecture (20 min.) - OL	,	12:10	North hall	Elucidation of the Dynamics of Thermally Stable Single Atom Catalysts The Bele of Motel in the Apparation and Selective Representation of MAD I
Xiaodong Chularat	Wang Wattanakit	United Kingdom Thailand	REAC-SOL-12 BIO-SOL-24	Experiment and theory of catalytic reactions 03 Biomass to chemicals and fuels 09	Short oral lecture (10 min.) - SOL Short oral lecture (10 min.) - SOL	Tuesday, August 29, 2023 12:20 Thursday, August 31, 2023 17:50	12:30 18:00	Chamber hall Chamber hall	The Role of Metal in the Anaerobic and Selective Regeneration of NAD+ Catalytic Upgrading of Bioethanol to Ethylene over Various Hierarchical Zeolite Frameworks and Zeolites@LDHs composites: From Laboratory-Scale to Pilot-Scale
Sebastian	Weber	Germany	CHAR-SOL-23	Catalyst characterization incl. operando methods: experiment and theory 02	Short oral lecture (10 min.) - SOL	Tuesday, August 31, 2023 17.30 Tuesday, August 29, 2023 12:10	12:20	Terrace 2A	Hard X-ray Nanotomography Reveals Coking in Technical Catalysts
Dennis	Weber	Germany	DYN-OL-01	Catalysts and reactors under dynamic conditions for energy storage and conversion 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 10:30	10:50	North hall	Utilizing the redox cycability of modified spinel precursors for reactivation of Ni-based CO2 methanation catalysts
Christophe	Werlé	Germany	DES-OL-08	Catalyst design, novel catalytic materials 04	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 16:40	17:00	South hall 2AB	Exploring the Adaptivity of Catalytic Systems in Divergent and Chemoselective Atom-Transfer Reactions
Jan	Wiesfeld	Japan	BIO-OL-27	Biomass to chemicals and fuels 07	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 12:10	12:30	South hall 3BC	Stepwise approach for selective FFCA and FDCA production from HMF
David	Willock	United Kingdom	SURF-OL-02	Surface science & atomic level models: experiment and theory 01	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 10:50	11:10	North hall	Computed Surface Phase Diagram for Hydrogen on Pd Surfaces Leteralize of Dd pagestructure with soder proporties of COV and its influence on CO evidation activity of Pd /CoO3 TiO3 catalysts
Sebastian Lukasz	Wohlrab Wolski	Germany Poland	EXH-OL-05 PUR-SOL-02	Treatment of flue / exhaust gases 03 Catalytic technologies for liquid or solid waste reduction or purification 01	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 14:30 Monday, August 28, 2023 14:40	14:50 14:50	South hall 3BC Chamber hall	Interplay of Pd nanostructure with redox properties of CeOx and its influence on CO oxidation activity of Pd/CeO2-TiO2 catalysts Insight into reactivity of niobia-based catalysts in activation of hydrogen peroxide and degradation of organic pollutants
Xuejiao	Wu	Belgium	ENVP-OL-07	Environmental photocatalysis 02	Standard oral lecture (10 min.) - SOL Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 14:40 Monday, August 28, 2023 17:40	18:00	Panorama hall	Insignt into reactivity of niobia-based catalysts in activation of nydrogen peroxide and degradation of organic pollutants Photocatalytic cleavage of lignin C-C bonds
Bingqiao	Xie	Australia	CO2-SOL-01	CO2 valorization 03	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 16:00	16:10	Chamber hall	Light-assisted CO2 hydrogenation reactions: mechanistic investigation and catalyst engineering
Mizuho	Yabushita	Japan	CO2-SOL-21	CO2 valorization 08	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 17:20	17:30	Terrace 2A	Catalytic Conversion of Amine Carbamates into Organic Urea Derivatives by CeO2 Catalyst in Corresponding Amine Solvents
Kasidid	Yaemsunthorn	Poland	ENVP-OL-10	Environmental photocatalysis 04	Standard oral lecture (20 min.) - OL	Thursday, August 31, 2023 11:50	12:10	North hall	Selective and Efficient Photocatalytic Reduction of 3-Nitrophenol to 3-Aminophenol by Anatase and Rutile TiO2 – What Stands Behind the Photoactivity?
Hiromi	Yamashita	Japan	DES-OL-11	Catalyst design, novel catalytic materials 04	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 17:40	18:00	South hall 2AB	Design of Metal-Organic Frameworks for Photocatalytic H2O2 Production
Yilong Penghui	Yan Yao	France Finland	CO2-OL-22 DES-SOL-35	CO2 valorization 07 Catalyst design, novel catalytic materials 10	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Wednesday, August 30, 2023 10:50 Wednesday, August 30, 2023 12:10	11:10 12:20	Congress hall Chamber hall	MXene-based catalysts for CO2 hydrogenation A facile coprecipitation approach for synthesizing LaNi0.5Co0.5O3 as cathode of molten salt lithium oxygen battery
Xinwei	Ye	Netherlands	CO2-SOL-04	CO2 valorization 03	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 16:30	16:40	Chamber hall	Inverse Zn2+/CuOx for methanol selective CO2 hydrogenation
Toshiyuki	Yokoi	Japan	DES-OL-04	Catalyst design, novel catalytic materials 01	Standard oral lecture (20 min.) - OL	Monday, August 28, 2023 11:30	11:50	South hall 2AB	Activation of N2O and CH4 over metal-exchanged zeolite: impact of framework Al distribution
Tatchamapan	Yoskamtorn	United Kingdom	SURF-OL-03	Surface science & atomic level models: experiment and theory 01	Standard oral lecture (20 min.) - OL	Tuesday, August 29, 2023 11:10	11:30	North hall	Rapid Hydrogen Mobility over Ru Nanoparticle-Doped Polar MgO(111) Surface
Faisal	Zafar	South Korea	CO2-SOL-19	CO2 valorization 08	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 17:00	17:10	Terrace 2A	CO2 hydrogenation to methanol on an ordered mesoporous InCu/Al203 catalysts: effect of indium promoter
Anna	Zanina	Germany	CHAR-SOL-04	Catalyst characterization incl. operando methods: experiment and theory 01	Short oral lecture (10 min.) - SOL	Monday, August 28, 2023 16:30	16:40	Terrace 2A	The role of MnOx and alkali metals in MnOx-M(Na, K, Rb, or Cs)2WO4/SiO2 for product formation in oxidative coupling of methane
Filip Yi-Ru	Zasada Zhao	Poland Taiwan	REAC-OL-10 ENVP-SOL-07	Experiment and theory of catalytic reactions 04 Environmental photocatalysis 03	Standard oral lecture (20 min.) - OL Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 10:30 Tuesday, August 29, 2023 17:00	10:50 17:10	Congress hall Terrace 2A	Mechanism of CO-PROX Reaction over Mixed and Bare Cobalt Spinel Catalysts Revealed – DFT and isotopic investigations Synthesis and Characterization of Ceria-Silica Nanocomposites for CO2 Photocatalytic Reduction
Tetyana	Zheleznyak	Czechia	EXH-SOL-09	Treatment of flue / exhaust gases 01	Short oral lecture (10 min.) - SOL	Monday, August 29, 2023 17:00 Monday, August 28, 2023 11:50	12:00	Terrace 2A	Kinetics of site transformations in a Cu/SSZ-13 catalyst during aging
Cheng	Zhou	Belgium	DES-OL-28	Catalyst design, novel catalytic materials 11	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 14:50	15:10	South hall 2AB	High-Efficiency acid-base synergy ZrOxHy Catalyst for Amine Regeneration in Post-Combustion CO2 Capture Process
Nora	Zimmerli	Switzerland	INMC-OL-03	Intermetallic compounds in catalysis 01	Standard oral lecture (20 min.) - OL	Wednesday, August 30, 2023 15:10	15:30	Panorama hall	Relationship between Structure and Catalytic Reactivity of Silica Supported Ni-Ga Nanoparticles for the Hydrogenation of CO2 to Methanol
Jiachang	Zuo	China	CO2-SOL-20	CO2 valorization 08	Short oral lecture (10 min.) - SOL	Thursday, August 31, 2023 17:10	17:20	Terrace 2A	Utilization of CO2 and H2 for Arene Methyl-, Ethyl-, and Propylation