

Flash Presentation - Session A - Lecture Theater 2			
Order	Name	Institution	Title
1	Marcin Panowski	Czestochowa University of Technology	Numerical simulations of purification of CO ₂ coming from oxy-fuel combustion for EOR and transport
2	Enrico Andreoli	Energy Safety Research Institute, College of Engineering, Swansea University	Novel Copper-Based Catalyst for Carbon Dioxide Electroreduction
3	Elizabeth Vera (Bernal)	Instituto de Investigaciones en Materiales, Universidad Nacional Autónoma de México	Sodium cobaltate as a bifunctional material for CO oxidation and subsequent CO ₂ chemisorption
4	Tiina Keipi	Tampere University of Technology, Finland	Techno-economic analysis of the reduction of CO ₂ emissions in natural gas combustion by the thermal decomposition of methane
5	Alejandra Cruz Hernández	Instituto de Investigaciones en Materiales, Universidad Nacional Autónoma de México, Mexico	Carbon dioxide capture on CaO-NiO composite oxides
6	Matthew Moss	The University of Sheffield	Numerical Investigation of CO ₂ Splitting in a Nanosecond Pulsed Corona Discharge
7	Marianne Haberbauer	ACIB	CO ₂ -Conversion to butanol by Microbial Electrosynthesis
8	Zhi-Hua Zhou	State key laboratory and institute of elemento-organic chemistry, Nankai University.	Silver(I)-Catalyzed Three-Component Reactions of Propargylic Alcohols, CO ₂ and O-Nucleophiles
9	Nicolas Meunier	University of Mons	CO ₂ re-use from oxyfuel cement kilns: Optimization of the CO ₂ catalytic conversion into methanol
10	Leticia Peña Carrodeguas	Institute of Chemical Research of Catalonia (ICIQ)	Copolymerization of Limonene Oxide and CO ₂
11	Nurul Ashraf Razali	The University of Sheffield	Direct carboxylation of glycerol into glycerol carbonate and by-products over La ₂ O ₃ in the presence of dehydrating agents
12	Jian-Gang Chen	Shaaxi Normal University	Insight into the Intermolecular Interactions on the ScCO ₂ Extraction of Essential Oil from Cinnamon
13	Tae Yoo Kim	Pusan National University	Investigation of Accelerated Carbonation of the Mine Tailings Treated by MgO-based Binder
14	Francesco Della Monica	Dipartimento di Chimica e Biologia "A. Zambelli" Università di Salerno, via Giovanni Paolo II Fisciano(SA)	Robust Iron(III) Complexes for the Selective Production of COCs from CO ₂ and Epoxides
15	Adriano André Randi	Loughborough University	Electrochemical process for Co ₂ Utilization
16	Daniela Trambitas	FeyeCon	Production of Cyclic Carbonates via Reaction of CO ₂ and Renewable Feedstocks

Flash Presentation - Session B - Lecture Theater 3			
Order	Name	Institution	Title
1	Volodymyr Tabas	Loughborough University	Electrocatalytic utilisation of carbon dioxide: Selective electrocarboxylation
2	Linsey Garcia Gonzalez	VITO - Flemish Institute for Technological Research	Intuitive Response of Dissolved Carbon Dioxide on process parameters during Its Conversion to Acetate through Microbial Electrosynthesis process
3	Karolin Schenk	RWTH Aachen University	Direct Synthesis of Glycerol Carbonate from Glycerol and Carbon Dioxide by Brønsted Base Catalysis
4	Hugo A. Lara-Garcia	Instituto de Investigaciones en Materiales, Universidad Nacional Autónoma de México, Mexico	Li ₂ CuO ₂ as catalyst for the CO oxidation and the subsequent CO ₂ chemisorption.
5	Nannan Sun	Shanghai Advanced Research Institute, Chinese Academy of Sciences, China	Supercritical CO ₂ as fracturing agent for enhanced shale gas recovery
6	Alessandro Domenico Calvi	Centre for Innovation in Carbon Capture and Storage (CICCS), Heriot-Watt University	Hybrid microwave and thermal swing regeneration of adsorbents for post-combustion CO ₂ capture
7	Nicole Kindermann	Institute of Chemical Research of Catalonia (ICIQ), Tarragona	Post-Modification of Terpene-Based Polycarbonates with Alkene Side Chains
8	Pedro Omar Sánchez Camacho	Universidad Nacional Autónoma de México, Mexico	Effect of the carbon dioxide (CO ₂) partial pressure over the Li ₅ AlO ₄ capture properties
9	Christopher Tumilson	Queens University Belfast	Development of a diffuse reflectance infrared fourier transform spectroscopy (DRIFTS) cell for the in situ analysis of co-electrolysis in a solid oxide cell
10	Yanfeng Pu	Institute of Coal Chemistry	Fe _x Zr _{1-x} O ₂ catalyst to produce dimethyl carbonate from CO ₂ and methanol
11	Elodie Wan	Institut Charles Gerhardt, Montpellier	Tuning the physicochemical properties of pure ZrO ₂ catalysts to build structure-activity relationships in CO ₂ conversion
12	Andrew Shamu	Wetsus - European Centre of Excellence for Sustainable Water Technology	Membrane, module and process design for supercritical CO ₂ dehydration
13	Estera Lesnik	Heriot Watt University	Development of novel metal organic frameworks for CO ₂ capture and conversion
14	Ramses Snoeckx	University of Antwerp	Plasma-based CO ₂ conversion: a chemical kinetics story
15	Dariusz Wawrzynczak	Czestochowa University of Technology	Experimental investigations on purification of CO ₂ coming from oxy-fuel combustion for EOR and transport

Flash Presentation - Session C - Lecture Theater 4			
Order	Name	Institution	Title
1	Oscar Ovalle Encinia	Instituto de Investigaciones en Materiales, Universidad Nacional Autónoma de México, Mexico	Thermal and chemical stability of Ce _{0.80} Sm _{0.15} Sr _{0.05} O ₂ -molten carbonates dense dual phase membranes to separate selectively CO ₂ from flue gas at high temperatures.
2	Ana Villa-Zaragoza	The University of Sheffield	Developing a Sustainability Framework for Carbon Capture and Utilisation
3	Hajime Kawanami	National Institute of Advanced Industrial Science and Technology (AIST)	Continuous H ₂ and CO ₂ separation from the high-pressure gas generated by the decomposition of formic acid
4	Hui Zhou	Dalian University of Technology	CO ₂ Adducts of Phosphorus Ylides: Highly Active Organocatalysts for Carbon Dioxide Transformation
5	Wenhui Li	Dalian University of Technology	The recycled catalytic monoliths: Fe/Co/Zr metal oxide nanofiber for CO ₂ hydrogenation to hydrocarbons
6	Haozhi Wang	Dalian University of Technology	Facet impact on adsorption and activation of CO ₂ and H ₂ on Fe catalyst: A computational study
7	Monica Garcia Ortega	CSIR-Central Salt and Marine Chemicals Research Institute	Direct synthesis of dimethyl carbonate from methanol and carbon dioxide over nickel-loaded ceria catalysts with improved yields
8	Nadeen Al-Janabi	The University of Manchester	Fixed-bed adsorption process for carbon capture from industry
9	Yannick Uytdenhouwen	University of Antwerp	Untangling the influence of bulk and surface effects of spherical packings in a packed-bed DBD plasma reactor for CO ₂ splitting
10	Zhao-Tie Liu	Shaaxi Normal University	Impacts of Intermolecular Interactions on the Polymerization of Methacrylate Monomers in ScCO ₂
11	Cecilia Agapito-Abraham	Instituto de Ingeniería, Universidad Nacional Autónoma de México	Carbon dioxide capture with steel slags: Regeneration properties
12	Qamreen Parker	University College London	Molecular Dynamics Simulations of Ionic Liquids for Carbon Dioxide Capture
13	Inne Michielsen	University of Antwerp	Altering the packing in a packed-bed DBD plasma reactor for CO ₂ splitting: effect of material parameters
14	Steven Spall	The University of Sheffield	Manganese catalysts for CO ₂ reduction
15	Kathrin Ebner	Linz Institute for Organic Solar Cells (LIOS)	Porous Silicon Carbide Electrodes for Catalytic Reduction of Carbon Dioxide