Posters for poster session 1

1	Sayadmahaleh Adhami	Toluene abatement by use of non-thermal plasma and metal-free catalyst
2	Matthias Albrechts	Kinetic modeling of oxygen plasma at low and atmospheric pressure
3	Margherita Altin	The energy cost of N2 dissociation in a microwave discharge: combining modelling and experiments
4	Edmond Baratte	Experimental and numerical study of the fundamental processes in a CO2-CH4 RF plasmas
5	Jairo Barauna	Plasma Catalysis for CO₂ reduction using liquid water as hydrogen source
6	Yuri Barsukov	Multiscale modeling of boron nitride nanotube synthesis and carbon nanotube synthesis and hydrogen production from natural gas pyrolysis
7	Jean-Paul Booth	Probing the kinetics of oxygen atoms in oxygen-containing discharges by cavity ringdown spectroscopy: potential applications to CO ₂ conversion and plasma- assisted combustion
8	Yuxiang Cai	Plasma-catalytic CO₂ hydrogenation over Fe- Cu-based perovskite catalysts
9	Guoxing Chen	A novel plasma-assisted hollow fiber membrane concept for efficiently separating oxygen from CO in a CO ₂ plasma
10	Richard Cimerman	Nonthermal plasma regeneration of deactivated catalysts used for plasma- catalytic VOC/PAH removal

Posters for poster session 1

11	Panagiotis Dimitrakellis	Sustainable chemical synthesis through plasma-liquid interactions in a helical DBD microreactor
12	Martin Drößiger Christian Koch	CO2 valorization via plasma catalysis
13	Albert Engstfeld	Restructuring of catalyst materials by high voltage electrolysis
14	Lukas Forschner	Electric fields during high voltage electrolysis
15	Carolina Garcia Soto	DC glow discharge - Fluidized bed reactor for CO ₂ recycling
16	Yury Gorbanev	Nitrogen fixation into NOx by plasma: Pulsed spark plasma versus arc plasma
56	Vasco Guerra	Volume and surface kinetics in CO ₂ plasmas
17	Karin Hansen	Ignition and characterization of non-thermal, low-pressure plasmas in highly porous and lightweight aeromaterials
18	Mery Hernandez	Analysis of reactive species during plasma- water interaction for H2O2 formation using nanosecond pulsated microwaves
19	Rezvan Hosseini Rad	High pressure coaxial dielectric barrier discharge for CO2 splitting by combined action of packed bed
20	Muzammil Iqbal	Investigation of non-thermal atmospheric pressure plasma-based nitrogen fixation using water in nitrogen arc discharge for sustainable and environmentally-friendly ammonia production

Posters for poster session 1

21	Vít Jirásek	Nitrogen fixation in sub-micrometer-size water aerosol using micro-hollow surface DBD reactor
22	Chanmi Jung	Plasma-induced toluene conversion into acetylene with high selectivity
23	Christopher Kondratowicz	Kinetic interaction between plasma and catalyst in plasma-assisted ammonia synthesis
24	Saeed Kooshki	Plasma-Activated Water (PAW) as a sustainable technology for wastewater treatment and agricultural development
25	Konstantinos Kourtzanidis	Numerical modeling of atmospheric pressure plasma discharge dynamics
26	Victor Lafaurie	Nanosecond surface dielectric barrier discharge: Experimental investigation of streamer to filament transition in high- pressure gases
27	Shangkun Li	One-step steam reforming of methane to methanol by plasma catalysis: experiments and DFT modelling
28	Stein Maerivoet	Effect of O2 on the dry reforming of methane in an atmospheric pressure glow discharge
29	Jean Maillard	CO ₂ conversion by NRP discharges: spotlight on two parallel CO production mechanisms