

AGENDA

CRC1316 – VIRTUAL PROJECT MEETING 01st AND 02nd APRIL 2020

Wednesday, 01 April 2020

Presentation: 15 min. Discussion: 5 min.

09:00	Welcoming and introduction regarding the behaviour during the virtual meeting	von Keudell
09:10	B8 – Non-thermal plasma driven biocatalysis	Yayci
09:30	B7 – Reaction chemistry of plasmas in liquids interacting with surfaces	Grosse
09:50	Break	All
10:10	B1 – Plasma-induced nanostructuring and catalyst activation under operando conditions	Grosse
10:30	B5 – 2D-plasma-liquid-solid interfaces – plasma electrolytic oxidation	Bracht
10:50	B4 – Theoretical studies on the interaction of excited species with catalyst surfaces	Jacob
11:10	Influence of in liquid plasma on the redox processes and structure of electrocatalyst materials	Engstfeld
11:30	Break	All
13:00	A7 – Plasma-assisted catalysis for conversion volatile organic compounds (VOC)	Peters/ Schücke
13:20	A3 – Excitation transfer between molecules in transient atmospheric pressure plasmas and its impact on plasma chemistry	Stewig
13:40	A9 – A kinetic chemistry model for atmospheric-pressure plasmas	He
14:00	General Items	All

Thursday, 02 April 2020

Presentation: 15 min. Discussion: 5 min.

9:00	A1 – Sub-ns electric field measurement in transient atmospheric pressure plasmas	Lepikhin
9:20	A2 – Rotational distribution measurement in transient discharges by coherent anti-Stokes Raman scattering	Kuhfeld
09:40	A5 – From ns- to ms-pulses: influence of voltage characteristics on surface dielectric barrier discharges	Nguyen-Smith
10:00	Break	All
10:30	A4 – Process control in micro atmospheric pressure RF plasma jets by voltage waveform tailoring and customized boundary surfaces	Liu
10:50	B2 – Self-organization of sub- μ m surface structures stimulated by microplasma generated reactive species and short-pulsed laser irradiation	Preissing
11:10	A6 – Pulsed plasma interaction with catalytic surfaces within micro-structured array devices	Dzikowski
11:30	A8 – A 1.5 dimensional transient transport model of plasma jets	Klich
12:00	Closing	All