

# AGENDA

CRC1316 – PROJECT MEETING IN KERKRADE JUNE 29<sup>th</sup> UNTIL JULY 2<sup>nd</sup> 2020

## Monday, 29 June 2020

14:00	Board meeting	Board
-------	---------------	-------

## Tuesday, 30 June 2020

Presentation: 15 min. Discussion: 5 min.

09:00	Welcoming and introduction regarding the behavior during the virtual meeting	von Keudell
09:10	A1 – Sub-ns electric field measurement in transient atmospheric pressure plasmas	Lepikhin
09:30	A2 – Ro-vibrational distribution measurement in transient discharges by coherent anti-Stokes Raman scattering	Kuhfeld
09:50	<b>Break</b>	<b>All</b>
10:10	A3 – Excitation transfer between molecules in transient atmospheric pressure plasmas and its impact on plasma chemistry	Stewig
10:30	A9 – A kinetic chemistry model for atmospheric-pressure plasmas	Kemaneci/ Brinkmann
10:50	A8 – A 1.5 dimensional transient transport model of plasma jets	Brinkmann
11:10	A5 – From ns- to ms-pulses: influence of voltage characteristics on surface dielectric barrier discharges	Smith
11:30	<b>Break</b>	<b>All</b>
13:00	A4 – Process control in micro atmospheric pressure RF plasma jets by voltage waveform tailoring and customized boundary surfaces	Korolov
13:20	A6 – Pulsed plasma interaction with catalytic surfaces within micro-structured array devices	Dzikowski
13:40	Influence of in liquid plasma on the redox processes and structure of electrocatalyst materials	Engstfeld
14:00	<b>General Items   Planning stage 2</b>	<b>All</b>

## Wednesday, 01 July 2020

Presentation: 15 min. Discussion: 5 min.

9:00	A7 – Plasma-assisted catalysis for conversion volatile organic compounds (VOC)	Peters/ Schücke
9:20	B1 – Plasma-induced nanostructuring and catalyst activation under operando conditions	Grosse
9:40	B2 – Self-organization of sub- $\mu\text{m}$ surface structures stimulated by microplasma generated reactive species and short-pulsed laser irradiation	Preissing
10:00	<b>Break</b>	<b>All</b>
10:30	B4 – Theoretical studies on the interaction of excited species with catalyst surfaces	Jacob
10:50	B5 – 2D-plasma-liquid-solid interfaces – plasma electrolytic oxidation	Bracht
11:10	B7 – Reaction chemistry of plasmas in liquids interacting with surfaces	Grosse
11:30	<b>Break</b>	<b>All</b>
13:00	B8 – Non-thermal plasma driven biocatalysis	Yayci
13:20	Simulations of water-related plasma chemistry	Gibson
13:40	Model Regression Methods to complement Reaction Kinetics in Heterogeneous Catalysis	Reiser
14:00	<b>Closing</b>	<b>All</b>