

Program - International Online Plasma Seminar 2020
(Bi-Weekly, Thursday, 3 pm CET/9 am EST)

Date (dd/mm/year)	Title	Speaker	Institute
30/01/2020	Atomic Layer SiO ₂ deposition	Chenhui Qu	University of Michigan, USA
20/02/2020	Experimental and kinetic simulation study of electron power absorption mode transitions in capacitive radio frequency discharges in neon	Benedek Horvath	Wigner Research Center, Hungary
27/02/2020	Dynamics of strongly coupled two-component plasma via ultrafast spectroscopy	Alexander Bataller	North Carolina State University, USA
19/03/2020	Two-dimensional simulations of laser shock peening	Vasily Pozdnyakov	Leuphana University of Lüneburg, Germany
26/03/2020	Characterisation of an electrosurgical argon plasma by spectral line broadening	Bastian Hillebrandt	Institute for General Electrical Engineering and Plasma Technology, Ruhr-University Bochum, Germany
09/04/2020	Air plasmas for wound healing applications	Helen Davies	York Plasma Institute, UK
23/04/2020	COST Jet: Liquid chemistry and impact on biological samples	Brayden Myers	North Carolina State University, USA
07/05/2020	Surface production of negative ions from nitrogen doped diamond in a deuterium plasma	Greg Smith	York Plasma Institute, UK
04/06/2020	Indoor air chemistry	Dave Shaw	York Plasma Institute, UK
18/06/2020	Electron heating in capacitively coupled RF plasmas: a unified scenario	Ralf Peter Brinkmann	Institute for Theoretical Electrical Engineering, Ruhr-University Bochum, Germany
02/07/2020	Plasma Jet Interaction with complex surfaces	Mark Kushner	University of Michigan, USA
16/07/2020	Nonlinear standing wave excitation in very-high-frequency capacitive discharges	Zhai Kao	Dalian University of Technology, China

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30/07/2020	Infrared study of CH ₄ conversion in a non-equilibrium He/O ₂ atmospheric pressure plasmas jet	Theresa Urbanietz	Institute for Reactive Plasma Physics, Ruhr-University Bochum, Germany
13/08/2020	The role of humidity and UV-C emission in the inactivation of B. subtilis spores during atmospheric-pressure DBD treatment	Friederike Kogelheide	Institute for General Electrical Engineering and Plasma Technology, Ruhr-University Bochum, Germany
27/08/2020	An algebraic RF sheath model for complex excitation waveforms and a broad range of pressure	Tagra Samir	Institute for Theoretical Electrical Engineering, Ruhr-University Bochum, Germany
10/09/2020	Experimental evidence for material induced reaction rate constants in pulsed ICPs	Joel Brandon	North Carolina State University, USA
24/09/2020	On the ignition of low-pressure pulsed ccrf discharges	Yong-Xin Liu	Dalian University of Technology, China
22/10/2020	Electric field behaviour of a micro cavity plasma array measured by Stark shift of helium	Sebastian Dzikowski	Institute for Reactive Plasma Physics, Ruhr-University Bochum, Germany
05/11/2020	Molecular dynamic simulations of ion-surface interaction in plasma etching processes	Yao Du	North Carolina State University, USA
19/11/2020	Plasma Electrolytic Oxidation (PEO) at High Frequencies: Characterization And Control	Patrick Hermanns	Institute for General Electrical Engineering and Plasma Technology, Ruhr-University Bochum, Germany
03/12/2020	Zero-dimensional simulation of He, He/O ₂ , He/N ₂ and He/O ₂ /N ₂ microscale atmospheric pressure plasma jet	Youfan He	Institute for Theoretical Electrical Engineering, Ruhr-University Bochum, Germany
17/12/2020	Azimuthal ion transport in HiPIMS plasmas	Sascha Thiemann-Monje	Institute for Reactive Plasma Physics, Ruhr-University Bochum, Germany