

## Plasma Centers Virtual Meeting (3 June 2020)

	<b>Time (Eastern)</b>	<b>Speaker</b>	<b>Title</b>
<b><i>Center for Plasma Interactions with Complex Interfaces</i></b>			
1	12:00-12:10	Mark Kushner	Introduction to PICI Virtual Meeting and Review of PICI Goals
<b>Diagnostics and Plasma Properties</b>			
2	12:10 – 12:25	Igor Adamovich	Formation and Propagation of Ionization Waves During Ns Pulse Breakdown in Plane-to-Plane Geometry
3	12:25 – 12:40	Ed Barnat	Developing and Implementing Diagnostics to Interrogate Plasma-surface Interactions
4	12:40 – 12:55	Peter Bruggeman	Plasma-interactions with Complex Interfaces: Species Fluxes and Self-organization
5	12:55 – 13:10	Ali Mesbah	Data-driven Methods for Modeling and Diagnosis of Plasma-Surface Interactions
	13:10 – 13:25	Break	
<b>Catalysis</b>			
6	13:25 – 13:40	Aditya Bhan	Reactor Design to Study Nonthermal Plasma Interaction with Catalytic Surfaces
7	13:40 – 13:55	Bryan Goldsmith	Atomistic Modeling of Catalysts: From Thermal to Plasma-Assisted Catalysis
8	13:55 – 14:10	Gottlieb Oehrlein	Unraveling Plasma Surface Interactions of Plasma Catalysis for Nitrogen Fixation
9	14:10 – 14:25	David Graves	N <sub>2</sub> Plasma Afterglow Kinetics for Catalytic and Non-Catalytic NO <sub>x</sub> Formation
<b>Sources and Surfaces</b>			
10	14:25 – 14:40	Selma Mededovic Thagard	Development and Characterization of the Plasma Spinning Disc Reactor
11	14:40 – 14:55	Steven Shannon	Microfluidic Channels for Study of the Plasma-Liquid Interface
<b>Modeling</b>			
12	14:55 – 15:10	Mark Kushner	Synergies in Interactions Between Atmospheric Plasmas and Complex Surfaces
	15:10 – 15:25	Break	
<b><i>Center for Studies of Plasma-Assisted Combustion and Plasma Catalysis</i></b>			
13	15:25 – 15:40	Yiguang Ju	Elementary Plasma-combustion Chemistry and Its Impact on Plasma Thermal-chemical Instability
14	15:40 – 15:55	Bruce Koel	Fundamental Issues in the Kinetics and Mechanism of Plasma-Assisted Ammonia Synthesis
15	15:55 – 16:10	Igor Adamovich	Selective Generation of Excited Species in Ns Pulse / RF Hybrid Plasmas for Plasma Chemistry Applications
<b><i>User Facility for Studies of Low Temperature Plasma Science and Technologies</i></b>			
16	16:10 – 16:25	Yevgeny Raitses	Princeton Collaborative Low Temperature Plasma Research Facility: First Year, First Results
<b>Discussion</b>			
		Moderator	
17	16:25 – 17:00	Peter Bruggeman	The Path Forward for Plasma Science Centers: Collaborations, Systems, Sources