

Session Program

22-28 Jun 2019



PPPS 2019

6.1 Nonequilibrium Plasma Applications II

DoubleTree at the Entrance to Universal Orlando
5780 Major Blvd. Orlando, Florida, 32819, USA

Thursday 27 June

10:00

6.1 Nonequilibrium Plasma Applications II

Session | **Location:** Double Tree at the Entrance to Universal Orlando, Seminole C | **Convener:** James Walsh

10:00–10:30

Nanosecond-pulsed corona discharge in liquid nitrogen and production of nitrogen polymers

Speaker

Danil Dobrynin

10:30–10:45

Investigation of Atmospheric Pressure Plasma Jet in Double Coaxial Dielectric Barrier Tubes Conjugated with Microsecond Voltage Pulse

Speaker

Dr Duc Ba Nguyen

10:45–11:00

A Comparison between Ag/ZSM5 and Cu/ZSM5 Catalysts Coupled with Plasma in Hydrocarbon Catalytic Reduction of NO_x at Low-Temperatures

Speaker

Mr Van Toan Nguyen

11:00–11:15

Nanosecond-pulsed oxygen DBD treatment of water and production of "plasma acid"

Speaker

Danil Dobrynin

11:15–11:30

Supported vanadium oxides modified by non-thermal plasma for nitrogen fixation

Speaker

Ms Rim Bitar

11:30–11:45

Study of plasma catalyst interactions by time resolved diffuse reflectance infrared Fourier transform spectroscopy

Speaker

Shiqiang Zhang

11:45–12:00

Multispecies Nonequilibrium Plasma Fluid Simulation of an Ablating Arc Discharge in Atmospheric Pressure

Speaker

Adnan Mansour

12:00