

Session Program

22-28 Jun 2019



PPPS 2019

1.1 Basic Phenomena I

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

Tuesday 25 June

09:45

1.1 Basic Phenomena I

Session | **Location:** Double Tree at the Entrance to Universal Orlando, Seminole A/B | **Convener:** L. K. Ang

09:45-10:15

Hot electron emission processes in waveguide integrated graphene

Speaker

Rehan Kapadia

10:15-10:30

Electron Emission and Gas Breakdown: Unification of Theory from Schrodinger's Equation to Paschen's Law

Speaker

Amanda Loveless

10:30-10:45

Microscale Gas breakdown voltage dependence on electrode surface

Speaker

Russell Brayfield

10:45-11:00

Quantum effects in electron emission from nanodiamond

Speaker

Prof. Sergey Baryshev

11:00-11:15

Particle Emission Investigation from an Anode Liquid Surface of Electrolyte in Atmospheric Pressure DC Glow

Speaker

Yao Kovach

11:15-11:30

ENGINEERED TUNNELING ELECTRICAL CONTACTS

Speaker

Sneha Banerjee

11:30-11:45

Theoretical investigation of the magnetic asymmetry effect by using a lumped element model

Speaker

Mr Dennis Engel

11:45