

Session Program

22-28 Jun 2019



PPPS 2019

2.3 Slow-Wave Devices

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

Thursday 27 June

10:00

2.3 Slow-Wave Devices

Session | **Location:** Double Tree at the Entrance to Universal Orlando, Seminole A/B | **Convener:** Nick Jordan

10:00–10:15

Experimental Study of a Millimeter Wave Relativistic Backward Wave Oscillator*

Speaker

Dr Ahmed Elfrgani

10:15–10:30

Multiple Beam Power Grid Tubes for High Frequency and High Power Operation

Speaker

Lawrence Ives

10:30–10:45

A 1.3 GHz 100 kW Ultra-High Efficiency Klystron

Speaker

Lawrence Ives

10:45–11:00

COAXIAL-ALL-CAVITY-EXTRACTION ON THE HARMONIC RECIRCULATING PLANAR MAGNETRON

Speakers

Dr Brad Hoff, Christopher Swenson, Drew Packard, Dr Geoffrey Greening, Dr Jason Hammond, Nick Jordan, Prof. R. M. Gilgenbach, Steven Exelby, Prof. Y. Y. Lau

11:00–11:15

Inclusion of Circuit Loss in an Exact Treatment of a Helix Traveling Wave Tube

Speaker

Abhijit Jassem

11:15–11:30

MODELING STABILITY OF VACUUM ELECTRONIC DEVICES USING GENERALIZED IMPEDANCE MATRIX APPROACH

Speaker

Dr Igor Chernyavskiy

11:30–11:45

An Electron Gun for a Sheet Beam with a 3 to 1 Aspect Ratio: Design and Optimization

Speaker

Alex Burke

11:45–12:00

W-band 2D Periodic Lattice Oscillator

Speaker

colin whyte

12:00