

## Session Program

22-28 Jun 2019



## PPPS 2019

### ***2.1 Intense Beam Microwave Generation***

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

## Wednesday 26 June

10:00

### 2.1 Intense Beam Microwave Generation

**Session** | **Location:** Double Tree at the Entrance to Universal Orlando, Gold Coast I/II | **Convener:** Prof. Rebecca Seviour

10:00–10:30

#### Limits to High Power Amplification

**Speaker**

Dr John Luginsland

10:30–10:45

#### Rep-rated Testing of a Compact Magnetron with Diffraction Output (MDO) and Plans for Testing the Full MDO\*

**Speaker**

Prof. Edl Schamiloglu

10:45–11:00

#### Experimental Results of a Metamaterial-Enhanced Resistive Wall Amplifier Prototype\*

**Speaker**

Patrick Forbes

11:00–11:15

#### High Power Amplification Experiments on a Recirculating Planar Crossed-Field Amplifier

**Speaker**

Mr Steven Exelby

11:15–11:30

#### Inter-Digital Magnetron and Rippled-Field Magnetron: Two Remarkable Reincarnations of a Voltage-Tunable Magnetron\*

**Speaker**

Dr Andrey Andreev

11:30–11:45

#### High-Power Microwave Generation by a Double-Anode Virtual Cathode Oscillator

**Speaker**

Mr Kazuki Nagao

11:45–12:00

#### Problems of development a cold-cathode magnetron in pulse mode for application in an accelerator

**Speaker**

Prof. Sergiy Cherenshchikov

12:00