

## Session Program

22-28 Jun 2019



## PPPS 2019

### ***7.2 High Current and High Power Pulsers I***

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

## Tuesday 25 June

09:45

### 7.2 High Current and High Power Pulsers I

**Session** | **Location:** Double Tree at the Entrance to Universal Orlando, Space Coast I-III | **Convener:** Mr Mark Savage

09:45–10:15

#### HIGH POWER DIELECTRIC DIODE STUDIES AT SANDIA NATIONAL LABORATORY

**Speaker**

Dr MICHAEL MAZARAKIS

10:15–10:30

#### Field-Circuit Coupling Simulation of Petawatt-class Z-Pinch Accelerator

**Speaker**

QUAN ZHOU

10:30–10:45

#### Compact Marx Generator to Drive a Low-Impedance MILO

**Speaker**

Tyler Buntin

10:45–11:00

#### Large Scale System Using Pulsed Electric Fields as an Invasive Fish Barrier

**Speaker**

Mr Michael Kempkes

11:00–11:15

#### Analysis of triggering behaviour of Marx generators by using Spice simulations

**Speaker**

Benjamin Lassalle

11:15–11:30

#### Characterization of Nano-second Pulsed Power Generator Synchronizing Double Inductive Energy Storage Circuits with Semiconductor Opening Switch

**Speaker**

Taichi Sugai

11:30–11:45

#### MHD Modeling of Shock Physics Experiments with the PHELIX Portable High Magnetic Field Driver

**Speaker**

Christopher Rousculp

11:45