

## Session Program

22-28 Jun 2019



## PPPS 2019

### ***10.1/10.2 Converters, Components, Magnetics, Swiches and Capacitors***

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

# Monday 24 June

09:45

## 10.1/10.2 Converters, Components, Magnetics, Switches and Capacitors

**Session** | **Location:** Double Tree at the Entrance to Universal, Gold Coast I/II | **Convener:** Argenis Bilbao

09:45-10:15

### Study of Cockcroft-Walton Multipliers Driven by AC Sources with Limited Current

#### Speaker

Jacob Williams

10:15-10:30

### Characteristic Analysis of Metal Oxide Resistor under Impulse of Different Wave-Head Time

#### Speaker

Wei Zhang

10:30-10:45

### Analysis of Commercial off-the-shelf 1200 V Silicon Carbide MOSFETs Under Short Circuit Conditions

#### Speaker

Jonathan Forbes

10:45-11:00

### The Current State of Custom Pulse Power Cores Supplied by Metglas Inc.

#### Speaker

Dr Eric Theisen

11:00-11:15

### Transient Loading of Ultracapacitors\*

#### Speaker

Mr Alexander Johnston

11:15-11:30

### Investigation into the Reliability of Commercial 1.2-kV SiC MPS Diodes under Surge Current and Avalanche Events

#### Speaker

Fernando Salcedo

11:45