

## Session Program

22-28 Jun 2019



## PPPS 2019

### ***1.2 Computational Plasma Physics III***

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

## Wednesday 26 June

15:30

### 1.2 Computational Plasma Physics III

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

15:45-16:00

#### A Kernel Based High Order "Explicit" Unconditionally Stable Constrained Transport Method for Ideal Magnetohydrodynamics

**Speaker**

FIRAT CAKIR

16:00-16:15

#### Convergence Ratio Effects on Ultra-thin Foil Liner Implosion and Explosion Stability

**Speaker**

Jeff Woolstrum

16:15-16:45

#### Multi-Species Plasma-Electromagnetic Models for Pulsed Power Applications

**Speaker**

Kris Beckwith

16:45-17:00

#### Using Coupled Dust Motion to Analyze Plasma-Dust Interactions

**Speaker**

Dr Lorin Matthews

17:00-17:15

#### Statistics and Propagation Modeling of Atmospheric Lightning

**Speaker**

William Brooks

17:15-17:30

#### Numerical model of acoustic wave generated by free-burning AC arc

**Speaker**

Chen Zhe

17:30