

Session Program

22-28 Jun 2019



PPPS 2019

5.1 & 5.2 Opening and Closing Switches II

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

Wednesday 26 June

15:30

5.1 & 5.2 Opening and Closing Switches II

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

15:30–15:45

Nanosecond Rise-time, Laser Diode Driven, Wide Bandgap Photoconductive Switches as Fast, High-Voltage MOSFET Replacements for Bioelectrics and Accelerator Applications*,†

Speaker

Dr Stephen Sampayan

15:45–16:00

Laser triggered solid state pulse charging system utilizing GaAs PCSS technology

Speaker

Dr Nathan Zamoski

16:00–16:15

Performance Comparison of Commercial GaN HEMT under Repetitive Overcurrent Operations

Speaker

Jose Rodriguez

16:15–16:30

Analysis of a New 15-kV SiC n-GTO under Pulsed Power Applications

Speaker

Matthew Kim

16:30–16:45

Improving Fast SiC MOSFET Switching Using an Inductive Gate Drive Approach

Speaker

Micah LaPointe

16:45–17:00

Switching Characterization of Multi-gap and Multi-aperture High Power Pseudospark Switch (PSS)

Speaker

Udit Narayan Pal

17:00–17:15

GTO Like Thyristors Triggered in Impact-Ionization Wave Mode

Speaker

Anton Gusev

17:30