

## **Session Program**

**18-22 Jun 2017**



## **2017 IEEE Pulsed Power Conference**

***Oral session 1 - High-Energy Density Storage,  
Opening and Closing Switches - Session Chair :  
Jiande Zhang***

Hilton Brighton Metropole Hotel  
Kings Road Brighton BN1 2FU United Kingdom

# Monday 19 June

10:00

## Oral session 1 - High-Energy Density Storage, Opening and Closing Switches - Session Chair : Jiande Zhang

**Session** | **Location:** Hilton Brighton Metropole Hotel, Preston

**10:00-10:30 A Greater Than 6 MV Laser Triggered Gas Switch Used on Z**

**Speaker**

Peter Wakeland

**10:30-10:45**

**The investigation of propylene carbonate based nano-fluids as an energy storage medium for pulsed power sources**

**Speaker**

Dr Yanpan Hou

**10:45-11:00 Modular, High-Energy, 4 MA driver for Exploding Foil Initiators\***

**Speaker**

Mark Rhodes

**11:00-11:15**

**HIGH CURRENT AND CURRENT RISE RATE THYRISTOR BASED SWITCHES**

**Speaker**

Anton Gusev

**11:15-11:30**

**Implementation of High-Voltage Switch Using Inductive Energy for Switch Synchronization**

**Speaker**

Gideon Nimo Appiah

**11:30-12:00**

**HIGH CURRENT, HIGH VOLTAGE SOLID-STATE SWITCH PROGRESS AT AFRL**

**Speaker**

Susan Heidger

**12:00-12:15**

**Voltage Maintaining Performance of High Energy Density Capacitor**

**Speaker**

Hua Li

**12:15-12:30**

**Photocurrent Efficiency in Bulk and PIN SiC Photoconductive Semiconductor Switches for Pulsed Power Applications**

**Speaker**

Daniel Mauch

12:30