

## **Session Program**

**3-7 Jun 2018**



## **2018 IEEE International Power Modulator and High Voltage Conference**

### ***Oral 5 - Solid State Modulators and HV Design***

Jackson Lake Lodge, Jackson Lake Lodge  
101 Jackson Lake Lodge Road, Jackson Lake Lodge, Moran, WY 83013 Phone: (307) 543-3100

## Tuesday 5 June

10:00

### Oral 5 - Solid State Modulators and HV Design

**Session** | **Location:** Explorers Room

10:00–10:15

**Daresbury Laboratory Short Pulse Klystron Modulators****Speaker**

Michael Kempkes

10:15–10:30

**Modular Semiconductor-Based Marx Generator for Bipolar Ground-symmetric Pulse Generation****Speaker**

Martin Sack

10:30–10:45

**Confirming Quality in Nanocrystalline Material with Core Loss****Speaker**

Kelli Noel

10:45–11:00

**Risk assessment in high voltage design concerning air breakdown****Speaker**

Enis Tuncer

11:15–11:30

**Research on trigger mechanism of Laser Triggered Vacuum Switch****Speaker**

Ms Yinan Xin

11:30–11:45

**A Novel Drive Circuit for Solid-state Rectangular Pulse Generators****Speaker**

Junfeng Rao

11:45–12:00

**UPDATES ON THE PROGRESS OF THE ALTERNATE TOPOLOGY MODULATOR (AT\_HVCM) TO SUPPORT THE PROTON POWER UPGRADE (PPU) AT THE SPALLATION NEUTRON SOURCE****Speaker**

Dennis Solley

12:00