

## **Session Program**

**5-9 Jul 2016**



# **2016 IEEE Power Modulator and High Voltage Conference**

## ***Poster 2-C***

<http://www.sfpalace.com/>Palace Hotel San Francisco  
2 New Montgomery St. San Francisco, CA 94105United States

# Thursday 7 July

13:30

## Poster 2-C

Poster Session | Location: Marina

### **A Modular 200kW-25kV DC Medium Frequency Resonant Converter for RF Power Amplifiers**

**Speakers**

Davide Aguglia, Xavier Abel Bonnin

### **Design and Operation of Pulsed Power Systems Built to ESS Specifications**

**Speaker**

Mr Michael Kempkes

### **Bridge topology as primary switch for magnetic pulse compression circuit**

**Speaker**

Claus Strowitzki

### **Simulation and Design Trade-Off Analysis of 15 kV SiC SGTO Thyristor during Extreme Pulsed Overcurrent Conditions**

**Speaker**

James Schrock

### **Evaluation of Long Term Reliability and Safe Operating Area of 15 kV SiC PiN Diodes during Ultra-High Current Pulsed Conditions**

**Speaker**

Emily Hirsch

### **Driving Circuitry with Active Voltage Clamping across IGBTs in a Marx Configuration**

**Speaker**

Martin Sack

### **SILVACO BASED ELECTRO-THERMAL ANALYSIS OF 4H-SiC TIV-JFET STRUCTURE UNDER EXTREMELY HIGH CURRENT DENSITY RESISTIVE SWITCHING**

**Speakers**

Dr Bejoy Pushpakaran, Dr Stephen Bayne

### **The design of a new explosive DC breaker using electromagnetic forming technology**

**Speaker**

Dr tonghai ding

### **Design and Initial Measurements of a 12.5 kV Prototype Inductive Adder for CLIC DR Kickers**

**Speaker**

Tony Fowler

### **Modeling and Experiment Research on Turn-off Characteristics of Pulse Power Thyristor**

**Speaker**  
Ms SHUYUN TIAN

**Stacked Multi-Level Long Pulse Modulator Topology for ESS**

**Speaker**  
Max Collins

**Design of High-voltage Nanosecond Fast Repetitive Pulse Generator Based on Avalanche Transistor**

**Development of Compact High Voltage Power supply for -40kV Long Pulse**

**Speakers**  
Dr Hoon Heo, Dr SangHoon Nam, SungChul Kim

**Design of 40kV, 300us, 200Hz Solid-State Pulsed Power Modulator for Long Pulse Applications**

**Speaker**  
Hong-Je Ryoo

**Repetitive High Voltage Pulse Modulator Using Bipolar Marx Generator Combined with Pulse Transformer**

**Speaker**  
Prof. Kefu Liu

**The high voltage pulsed current supply based on Solid-state devices**

**Speakers**  
Mr Haozheng Shi, Prof. Kefu Liu, jian qiu

15:00