Session Program

Jul 5 – 9, 2016

2016 IEEE Power Modulator and High Voltage Conference

Poster 2-C

Palace Hotel San Francisco
2 New Montgomery St. San Francisco, CA 94105United States

Thu, July 7

1:30 PM

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

3:00 PM