

Session Program

18-22 Jun 2017



2017 IEEE Pulsed Power Conference

Poster session I - Pulsed Power Physics and Technology, Components and HV Insulation

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

Monday 19 June

13:30

Poster session I - Pulsed Power Physics and Technology, Components and HV Insulation

Poster Session | **Location:** Hilton Brighton Metropole Hotel, Hall 4 / Cambridge

Multi-Pulse Nanosecond Electrical Breakdown in Perfluorinated Liquids at 140 kV

Speaker

Mr Ivan Punanov

Field-Distortion Air-Insulated Switches for Next-Generation Pulsed-Power Accelerators

Speaker

Matthew Wisher

Benchmarking Multi-Fluid Plasma Electromagnetic Models for Pulsed Power Applications

Speaker

Kris Beckwith

The evolution of the plasma in triggered vacuum switch

Speaker

Dr Park Wung Hoa

HIGH CURRENT SENSING THROUGH FARADAY ROTATION OF POLARIZED LIGHT OF VARYING WAVELENGTHS IN FIBERS

Speaker

Mr Sean Coffey

Electrical Treeing Phenomenon under Rippled Fields in HVDC Cable Insulation

Speaker

M. Azizian Fard

Reconfigurable High Voltage Load for Pulsed Power Applications

Speaker

Matthew Kim

The Influence of Epoxy Encapsulation on the Lifetime of High Voltage Ceramic Capacitors

Speaker

Dr Ruoyu Han

A NEW EQUIVALENT CIRCUIT OF HIGH-VOLTAGE PULSE TRANSFORMER AND AN ACCURATE METHOD TO MEASURE IT'S PARAMETERS

Speaker

Xian LIU

The performance of a prototype sealed-off triggered vacuum switch

Speaker

Dr Byung-Joon Lee

Design of Trigger System for Large LTD Facility**Speaker**

Zhou Liangji

Combined Experimental and Theoretical Study of Barium Titanate Nanoparticles: Improving Fundamental Understanding of Pulsed Power Component Materials**Speaker**

Dr Renee Van Ginhoven

Modeling BipolarMarx Generators for Maximum Pulse Repetition Rate Estimation**Speaker**

Hiren Canacsinh

CONTAMINATION PERFORMANCE OF HIGH VOLTAGE OUTDOOR INSULATORS IN HARSH MARINE POLLUTION ENVIRONMENT**Speaker**

Mr Muhammad Majid Hussain

Multi-physical Fields Simulation and Structural Design for Energy Storage Coils with Brooks-type geometry**Speaker**

Shangang Ma

Correlating Cygnus Diagnostics to Machine Reliability**Speaker**

Bernard Meehan

Skin effect and magnetization of strap toroid magnetic core of pulse transformer**Speaker**

Boris Fridman

DEVELOPMENT AND TESTING OF A 200kA, 10/350 μ s LIGHTNING IMPULSE CURRENT GENERATOR SWITCH MODULE**Speaker**

Dr John Koutsoubis

Study on Surface Trap and Vacuum Surface Flashover Characteristics of Typical Polymeric Materials**Speaker**

Chengyan Ren

2016 Cygnus Refurbishment**Speaker**

Paul Flores

Design and calibration of a 3-D lightning current sensor**Speaker**

Antoine DE FERRON

Helical Pulse-Forming Transmission Line Stack for Compact Pulsed Power Applications - Design and Simulation**Speaker**

Dr Edward L. Ruden

NEW EMBEDDED NANOSECOND PULSE GENERATOR BASED ON SPARK GAP AND IGBT**Speaker**

Mr Yahia Achour

Pulsed Power Generators Based on Inductive Storage and Skin-Effect Opening Switches (Energy Correlation and Technical Applications)**Speaker**

Mr Oleg Egorov

Development of High Performance Pulse Power Generator using FPGA and Arduino**Speaker**

Seiya Komatsudaira

Techniques to generate high-voltage oscillations using a single-shot power supply**Speaker**

Bucur Novac

Development of a coaxial switched oscillator**Speaker**

Bucur Novac

SOLID STATE LASER TRIGGERING SYSTEM FOR THE HERMES-III ACCELERATOR**Speaker**

Chris Grabowski

A Novel Technique for Fault and Lifetime Self-Diagnosis of Closed Transition Transfer Switch using Dual Lines**Speaker**

Mr Sewan Heo

15:00