

Session Program

18-22 Jun 2017



2017 IEEE Pulsed Power Conference

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

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

Tuesday 20 June

13:30

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

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

A novel electrode material for spark switches

Speaker

Ms Jiawei Wu

Preliminary pulsed power design of an induction injector for radiographic applications.

Speaker

Dr Bruno Cassany

Impulse Breakdown Strength of Zinc Oxide / Epoxy Resin Nanocomposites

Speaker

Mr Paul Turner

Optimal Design of High Frequency Transformer Based on Fe-based Amorphous

Speaker

Dr Yun Xu

A 50 T high-stability flat-top pulsed magnetic field energized by a 100 MW pulsed generator-rectifier power supply with parameters self-adjusting model predictive control

Speaker

Huang Yongheng

The Phenomena of Abnormal Discharges in Pseduospark Switch

Speaker

Dr Ruoyu Han

Experimental Study of Dielectric Insulator Behaviour under High Voltage Pulse

Speaker

Antoine de Ferron

Nanosecond repetitive pulsed discharges under turbulent flow in atmospheric air flow

Speaker

Miao Tang

Pulsed Power Calibration and Test Benches at Epure

Speaker

Mr Alain Georges

The measurement of pulsed magnetic field by a non-contact differential ring

Speaker

Mr Wenting Zhou

Development of a novel insulation aging test system based on the high-voltage high-frequency square pulse generator

Speaker

Mr Zhou Zuo

Some scaling rules for ferrite-loaded coaxial lines

Speaker

Prof. Claudio Motta

An Analysis of Strike and Restrike Characteristics of the Exploding Film Phenomenon Under Different Temperature and Pressure Conditions

Speaker

Mr James Nick Allen

Long Term Evaluation of GaN HEMT under Overcurrent Operations

Speaker

Matthew Kim

Effect of Electrode Composition on the Partial Discharge Activity of a Pre-Stretched Dielectric Elastomer Actuator

Speaker

Andrea Martinez

Transmission-line-circuit simulations of Z with an ion-diode current-loss mechanism

Speaker

Brian Hutsel

The Behaviour of Surface Discharges on a Liquid Nanocomposite Interface

Speaker

Dr Martin Given

Characterisation of a Corona-stabilised Switch in Alternative Gas Mixtures

Speaker

Ruairidh Macpherson

The triggered vacuum switch test based on the electromagnetic pulse welding

Speaker

Mr Xiaoyu Wang

15:00