

Session Program

18-22 Jun 2017



2017 IEEE Pulsed Power Conference

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

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

Wednesday 21 June

13:30

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

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

STUDY OF OUTPUT CHARACTERS OF PULSE TRANSFORMER WITH DIFFERENT CLOSED MAGNETIC CIRCUIT

Speaker

SAIBAL CHATTERJEE

Design and simulation of magnetic switch and reset circuit for non-thermal water sterilize use

Speaker

Masoume Amirbande

Optimized Solid-State Bipolar Marx Modulador with Resonant type Droop Compensation

Speaker

Dr Hiren Canacsinh

STUDY OF TRANSFORMER AND MOTOR WINDING UNDER PULSED POWER APPLICATION

Speaker

ARIJIT BASURAY

Increasing the Voltage Droop Compensation Range in Generalized Bipolar Solid-State Marx Modulador

Speaker

Dr Hiren Canacsinh

Design and Calibration for High-Frequency Magnetic Probe

Speaker

Yuan Hui Wu

Study on Surface Flashover Properties of PTFE by Ion Implantation

Speaker

Weikang Zhao

Secondary electron emission yield of Fluorinated Crosslinked Polystyrene

Speaker

Bai-peng Song

Study on aerodynamic characteristics of electromagnetic rail launcher

Speaker

Mr Weikang Zhao

Dynamics of Audio Square Wave Plasmas: Insights for Plasma Cleaning of Vacuum Diode Electrodes

Speaker
Ricky Tang

Magnetic Field Diffusion into Hollow Conductors with Walls on the Order of the Skin Depth

Speaker
Tyler Buntin

Surface flashover behaviour of insulating materials under impulsive electric fields in environmentally friendly gases

Speaker
Dr Athanasios Mermigkas

Development of a Multiple Megaampere, Pulsed Power Lab

Speaker
Dr Adam Schreiber

Exploring current loss mechanisms on the Z accelerator using PIC/DSMC methods

Speaker
Andrew Fierro

Development of low-impedance, variable pulse-width, high repetition-rate, 400 kV modulator

Speaker
Dr Jordan Chaparro

Transient Simulation of a High Voltage SiC Bipolar Power Device under High Action Operation

Speaker
Dr Miguel Hinojosa

Lifetime Prediction Testing of High Energy Density Metalized Film Capacitors

Speaker
Seth Miller

The characteristics of the bus-bar of electromagnetic rail launcher

Speaker
Zhao Ying

Study of electrical breakdown properties of liquid dielectrics for compact pulsed power applications

Speaker
Veda Prakash Gajula

A Greater Than 6 MV Laser Triggered Gas Switch Used on Z

Speaker
Mr Nathan Wemple

Predetermination Partial Discharge Features in cables using Various Electrode Gaps in Air under AC voltage

Speaker
Faisal Peer Mohamed