

Session Program

18-22 Jun 2017



2017 IEEE Pulsed Power Conference

Poster session III - Pulsed Power Industrial and Bio-Medical Applications

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

Wednesday 21 June

13:30

Poster session III - Pulsed Power Industrial and Bio-Medical Applications

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

A comparison of the effects of RF and pulsed DC nonthermal plasma jets on melanoma cell viability

Speaker

Kyle Thompson

Nanosecond Electric Pulses for Lipid Extraction from Microalgae

Speaker

Mary Mulligan

Preparation of thermo-sensitive poly(N-isopropylacrylamide) film using KHz alternating current pulsed discharge

Speaker

Xiaoliang Tang

Pulsed Ultraviolet Light Decontamination of Artificially-Generated Microbiological Aerosols

Speaker

Igor Timoshkin

Control System and Diagnostic Tools of Pulsed Power Supply for TPS Pulsed Magnets

Speaker

Mr Ho-Ping Chang

Improved High Voltage Pulse Generator for Automated Insulator Fault Detection

Speaker

Mr Howard Sanders

Study of Oil Extraction from Microalgae by Pulsed Power as a Renewable Source of Green Energy

Speaker

Bahareh HOSSEINI

Assessment of microbial inactivation on fruit juices by nanosecond electric pulses

Speaker

Allen Garner

Application of Repetitive Pulse Power Supply in Rock Fracturing

Speaker

Rongyao Fu

Effect of Current Rising Rate on Ablation and Plasma Bulk Velocity in a Pulsed Plasma Thruster

Speaker

Dr Ruoyu Han

Propagation characteristics of plasma ballet in laminar gas-fed atmospheric pressure plasma jet using double coaxial glass tube**Speaker**

Prof. Hiroaki Ito

Inactivation of *Ralstonia solanacearum* Using Pulse Discharge under Culture Solution in Hydroponics**Speaker**

Prof. Koichi Takaki

Influence of Oxygen Concentration on Ethylene Removal Efficiency**Speaker**

Prof. Koichi Takaki

Temporal Profile of 100-200 kHz Band High-Power Inductively Coupled Impulse Sputtering Glow Plasma**Speaker**

Prof. Koichi Takak

Development of Pulse-Operated Penning Plasma Source for High-Speed Physical Vapor Deposition**Speaker**

Prof. Koichi Takaki

Nanosecond pulsed discharge type ozonizer with cooling structure**Speaker**

Mr Daichi Ikoma

Ethylene treatment using nanosecond pulsed discharge**Speaker**

Mr Yasuaki Torigoe

Multi-pulse Current Source for Highly Inductive Load**Speaker**

Bing Guo

NON -DESTRUCTIVE COILS AND FIELD SHAPERS FOR HIGH MAGNETIC FIELDS INDUSTRIAL APPLICATION, Yuri Livshitz, Amit Izar, PULSAR Ltd ISRAEL**Speaker**

Mr Yuri Livshitz

15:00