

Session Program

18-22 Jun 2017



2017 IEEE Pulsed Power Conference

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

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

Monday 19 June

13:30

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

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

High temperature materials for spraying of anti-corrosion coatings

Speaker

Mr Oleg Chizhko

Inductive-Capacitive Hybrid Pulsed Power Supply for Energy Recovery

Speaker

Mr Xukun Liu

EXPLORATION OF THE HIGH SPEED PROCESSES IN DESIGNING OF PULSED ELECTROTECHNOLOGIES

Speaker

Elchin Gurbanov

Triggering Strategy of Railgun Power Supply for the Accurate Control of the Armature Muzzle Velocity

Speaker

Ms Xinyue Chang

Numerical Analysis on the Resistive Overlay Rail of Electromagnetic Launcher using Finite Element Method

Speaker

Sanghyuk An

Energy Control of Pulsed Power using Embedded System and Magnetic Pulsed Compression Circuits

Speaker

Masahiro Akiyama

An All Solid-State Nanosecond pulse generator for the waste water treatment

Speaker

Junfeng Rao

Magneto-forming studies at Loughborough University

Speaker

Bucur Novac

Studies of pulsed electro plasticity in metals

Speaker

Bucur Novac

Comparison of Bubbles due to Frequency Change and Electrode Direction in High Repetitive Plasma in Water

Speaker

Kazuki Kimura

Characteristics of Discharge Plasma in Liquid using less than 3 kV

Speaker

Masahiro Hosono

ANALYSIS OF THREE-STATE REACTOR IN THE INDUSTRIAL WASTEWATER TREATMENT SYSTEM BASED ON PULSED DISCHARGE PLASMA**Speaker**

Hongjun Xiang

CHARACTERISTICS OF THE TIME SEQUENCE FOR THE HIGH-SPEED METAL JET UNDER AXIAL STRONG PULSED MAGNETIC FIELD**Speaker**

Hongjun Xiang

Analysis of the sequential discharge characteristics of a parallel-type pulsed power supply with an inductance load**Speaker**

Byungha Lee

Application of High-Voltage Nanosecond Pulses to Surface Modification of Geomaterials**Speaker**

Igor Bunin

NOVEL PULSED POWER SYSTEM FOR INDUCTIVE OUTPUT TUBES**Speaker**

Francisco Cabaleiro Magallanes

Essential Launching Characteristics of Four Typical Electromagnetic Railguns Launchers**Speaker**

Hongjun Xiang

Preparation of Plasma Activated Water by Gas-Jet assisted Nanosecond Pulsed Discharge in the Water**Speaker**

Yun Sik Jin

Performance Analysis of Passive Compulsators used for EML Application with Different Compensation Shield Thickness**Speaker**

Mr Apurva Kulkarni

Design and Experiment Study of a Novel Electrothermal Pulsed Plasma Thruster for Space Applications**Speaker**

Mr Ruoyu Han

Direct and indirect NO removal with (sub)nanosecond pulses: yield and by-product formation**Speaker**

Tom Huiskamp

Simulation of pore density and pore radius based on cell electrofusion

Speaker
Dr Qiang Ke

An Experimental Facility Design of Pulsed Inductive Thrusters

Speaker
Mr Bixuan Che

RONs detection in plasma activated water

Speaker
W.F.L.M. Hoebe

Mathematical Design of a Pulsed Power Induction Coilgun System using Taguchi Method

Speaker
Mr Dinh-Vuong Le

Design of pulsed power system for permitting to utilize attractive force of multi-stages synchronous induction coilgun

Speaker
Mr Myung-Geun Song

Design and Electromagnetic Analysis of an Induction Type Coilgun System with Pulse Power module

Speaker
Mr Byeong-Soo Go

Pulsed plasma chemical synthesis of carbon-bearing nanocomposites based on silicon and titanium oxides

Speaker
Fedor Konusov

TRIGGER SYSTEM CHANGES FOR THE HERMES III ACCELERATOR

Speaker
SEAN COFFEY

15:00