

## **Session Program**

**18-22 Jun 2017**



## **2017 IEEE Pulsed Power Conference**

### ***Poster session II - Particle Beam and Accelerator Technologies***

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

## Tuesday 20 June

13:30

### Poster session II - Particle Beam and Accelerator Technologies

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

#### Ion source for shallow implantation

**Speaker**

Prof. Noriyuki Sakudo

#### Plasma Characterization in a Repetitively Pulsed Electron Beam Diode\*

**Speaker**

Matthew Myers

#### Generation of anode plasma and its effects on diode characteristics

**Speaker**

Prof. Hong Wan

#### Plasma Generation by a Pulsed Nanosecond Discharge on a Surface of Porous Dielectric Saturated with Liquid

**Speaker**

Mr Ivan Punanov

#### 250kV - 60ns double pulses generator as an induction cell driver for a flash radiography LIA

**Speaker**

Baptiste Cadilhon

#### Prototype Development and Testing of the Alternate Topology HVCM modulator to support the Proton Power Upgrade (PPU) at SNS.

**Speaker**

Dennis Solley

#### Voltage Stability Improvement and Analysis of Pulsed Klystron Modulator for RF Linac Applications

**Speaker**

Sung-Duck Jang

#### Signals from Cygnus

**Speaker**

Mr Hoai-Tam Truong

#### Single - triple pulse Power supply for 2 kA, 20 MeV Linear Induction Accelerator

**Speaker**

Dr Aleksandr Akimov

#### Development and testing of high-voltage cells for 2 kA, 20 MeV Linear Induction Accelerator

**Speaker**

Dr Aleksandr Akimov

### **Pulse forming networks development for a 60-380 ns Pulsed Power Supply for 2 kA, 20 MeV Linear Induction Accelerator**

**Speaker**

Dr Aleksandr Akimov

### **Development of a 100 kV Pulse Generator for Driving an Electron Scanner used in Proton Beam Profile Measurements**

**Speaker**

Ben Morris

### **Modeling and experimental characterization of the plasma produced by velvet cathode in a linear induction accelerator**

**Speaker**

J.M. Plewa

### **Numerical study of a 1 MV Linear Transformer Driver**

**Speaker**

R. Maisonne

### **Researching On the Power Sources Decoupling at IFP's Dielectric Wall Accelerator**

**Speaker**

MAO YE

### **Long pulse electron accelerator GESA-SOFIE: A numerical study of the beam characteristics**

**Speaker**

Renate Fetzner

### **Time-dependent Energy Deposition Characteristics on Different Anode Position of a Weak-pinched Diode**

**Speaker**

Mr Yang Hu

### **RF System of Linear Accelerator for Natural Rubber Research**

**Speaker**

Jatuporn Saisut

### **Long Pulse and Positive Polarity Operation of a Reflex Triode at the Saturn Accelerator**

**Speaker**

Ben Ulmen

### **Numerical Simulations of Electron Beam Neutralization by Backstreaming Ions in LIA**

**Speaker**

Mr Valerii Danilov

### **Observation of Beam Spot Dynamics During LIA Shot**

**Speaker**

Yuriy Trunov

### **The performance results of the LIA in double pulse mode**

**Speaker**

Dmitrii Starostenko

**ALTERNATIVE CONFIGURATION AND TIMING CONTROL FOR BEAM CHOPPING  
SYSTEM AT THE SNS LINAC**

**Speaker**

Vladimir Peplov

15:00