

Session Program

18-22 Jun 2017



2017 IEEE Pulsed Power Conference

Poster session II - High-Energy Density Physics and Technology

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

Tuesday 20 June

13:30

Poster session II - High-Energy Density Physics and Technology

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

OVERHEATING INSTABILITY OF A THIN CONDUCTOR WITH RESPECT TO STRATIFICATION

Speaker

Sergey Garanin

A numerical plasma model of DBD Xenon Light source for VUV Radiation Emission

Speaker

Halima LOUKIL

A portable X-pinch driver for hard X-ray radiography, diffraction and absorption measurements

Speaker

Simon Bland

Implosion of shock wave generated by an underwater electrical explosion of spherical wire array

Speaker

Dr Sergey Efimov

Modern radiographic complexes based on ironless pulsed betatrons. Conception of radiographic complex for small-angle tomography.

Speaker

Mr Oleg Shamro

Surface Current Density Distribution Measurements of an Electrically Exploded Foil via B-dot Probe Array Data Inversion, Revised

Speaker

Edward L. Ruden

RADIOGRAPHIC RESEARCH OF THE METAL-PUFF PLASMA JETS FORMED BY THE VACUUM ARC DISCHARGE

Speaker

Alexander Roussikh

RESULTS OF OVERMASS Z-PINCH IMPLOSION IN EXPERIMENT WITH MAGNETO-CUMULATIVE GENERATOR

Speaker

Mr Boris Repin

The study of three-dimensional compression of wire arrays at the Angara-5-1 facility.

Speaker

Mr Arkadii Gritsuk

SOME CAPABILITIES OF MAGNETIC IMPLOSION OF HIGH-VELOCITY CONDENSED-MATTER LINERS IN THE ALT-3 DRIVER

Speaker

Dr Anatoly Buyko

Experimental simulation of primordial nucleosynthesis nuclear processes by applying high-powered lasers.**Speaker**

Mr Alexey Lobanov

The pulsed plasma accelerator with focusing electrodes experiments**Speaker**

Anuar Zhukeshov

Measuring the compression velocity of a Z pinch in an axial magnetic field**Speaker**

Rina Baksht

Scaled DC Lifetime, Test and Evaluation of Advanced Nanocomposite Materials for Compact High Voltage Capacitors**Speaker**

Randy Curry

Hydride lithium compression investigation in the megabar area by means of ultrahigh magnetic field pressure of the generator MC-1**Speaker**

Alexander Bykov

Helical magneto-cumulative generator to power plasma focus chamber**Speaker**

Mr Vasily Demidov

Disk magneto-cumulative generator with opening switch of large diameter**Speaker**

Mr Yuri Vlasov

Effects of the Transport Properties of Gaseous Medium on Arc Behaviors in a Supersonic Nozzle**Speaker**

Jinling Zhang

The efficiency of the pulsed power input in the limited plasma diode**Speaker**

Mr Yaroslav Hrechko

Capabilities of Gamma facility to study material properties in the range of warm dense matter and pressure up to 100 GPa.**Speaker**

Mr Sergey Kuznetsov

PLASMA FORMATION PROCESSES AT THE SURFACE OF THE DOUBLE-LAYER CONDUCTORS IN A FAST-RISING MEGAGAUSS MAGNETIC FIELDS**Speaker**

Rina Baksht

GeV-positron beams as a novel branch of the experimental basis for HEDP.

Speaker

Prof. Vladimir Gorev

An Oil-Free Compact and Portable X-Pinch Radiation Source: Overview and Radiation Performance

Speaker

Prof. Rick Spielman

15:00