

PPPS 2019

Friday, 28 June 2019

Poster - Compact and Explosive Pulsed Power and Pulsed Power Systems (13:30 - 15:00)

-Conveners: Brett Huhman; Carlos Martins

[id] title	presenter	board
[883] 5P29 - Triggered gas switches for use in capacitor-switch assemblies for LTD technology	LAVRINOVICH, Ivan MOLCHANOV, Denis	
[896] 5P30 - Concept designs of a compact LTD generator with a pulse rise time of 100 ns.	LAVRINOVICH, Ivan MOLCHANOV, Denis	
[750] 5P07 - Pulsed power supply for 2 kA, 5 MeV linear induction accelerator	AKIMOV, Aleksandr	
[974] 5P47 - Modular, High-Frequency, High-Voltage Inductive Adders	Mr BOWMAN, Chris	
[672] 5P34 - PULSE POWER SYSTEM	Mr STONE, Peter	
[878] 5P60 - Study on the Collaborative Work of Multiple Meat Grinder with SECT Modules	LI, Bei	
[602] 5P12 - Cinco: A Compact High-Current Driver for High Energy Density Physics	BEJINES, Travis	
[1167] 5P24 - Indigenously developed pulsed power sources for nonequilibrium plasma applications	Prof. GUPTA, Suryakant	
[1254] 5P27 - Pulsed Power Discharge Under a Highly Capacitive Load	Mr ALLEN, James	
[1253] 5P26 - Repetitive Triboluminescence X-Ray Source by Peeling Tapes	Dr FURUYA, Seizo	
[720] 5P14 - Performance Analysis of a Compact Pulse Forming Stage and a Microstrip Type Balun for High Power Electromagnetics Applications	Ms DEMIRGOZ, Ozge Eren	
[1294] 5P45 - Implementation of Line Type High Voltage Nanosecond Rectangular Pulse Generator with Adjustable Pulse Widths for Liquid Discharge Applications	Dr V P, Anitha	
[1297] 5P49 - Solid-State LTD Module Using SiC-MOSFETs	Mrs FENG, Yu	
[515] 5P50 - A Means of Producing Precisely Delayed High Peak Power Optical Pulses with Low Jitter	FAZEKAS, Maxwell	
[650] 5P55 - ESS Klystron Production Test Stand	Mr KEMPKE, Michael	
[711] 5P13 - OPTIMIZING COMPACT MARX GENERATOR NETWORKS FOR CHARGING CAPACITIVE LOADS: SEQUENTIAL TRIGGERING AND PRACTICAL CONSIDERATIONS	BUCHENAUER, C. Jerald	
[857] 5P16 - The Optimization of High Voltage Nanosecond Pulse Generator with Auxiliary Trigger Circuit	LI, Lanxi	
[1099] 5P22 - Compact, Mobile, Automated Pulser Designed for Ease of Use	COX, Wayne	
[1067] 5P66 - Reduction of the conducted disturbances generated by the ignition systems of GlidArc plasma reactors	Dr KOMARZYNIC, Grzegorz	
[538] 5P69 - Design and Commissioning of a Medium Voltage Testbed Deploying Transient Loads*	Mr JOHNSTON, Alexander	

[681] 5P35 - Design of a Pulsed Alternator to drive a Single Stage Induction Coilgun	KULKARNI, Apurva Mr THOMAS, M. Joy Mr SHARMA, Ashish RAM, Ranashree	
[1130] 5P52 - Investigations on an optimized current pulse for pulsed flash lamps dedicated to high energy laser in repetitive mode.	Dr CADILHON, Baptiste VERGE, Robin Dr DE FERRON, Antoine	
[898] 5P62 - Development of bipolar pulsed transmitter based on modular structure for mineral exploration	BAE, Jung Soo	
[934] 5P64 - Development of High Voltage Power Supply for The Upgrade KSTAR Helicon Current Drive System	Dr JANG, Kwangho	
[1029] 5P31 - IMPROVEMENT OF THE SWITCHES RELIABILITY ON THE CEA 1MV LTD	Mr LOYEN, Arnaud	
[561] 5P05 - High-Energy Electric Gun for Exploding Foil Initiators	Dr RHODES, M. A.	
[881] 5P51 - Present Status of the Chopper-type Marx Modulator Development at KEK	NAKAJIMA, Hiromitsu	
[1176] 5P41 - Design of A Vehicular 200-kJ Pulsed Power System for Electrothermal-Chemical Launch Experiment	Dr XU, LIN Dr SUN, HAO	
[1090] 5P09 - TECHNICAL DEVELOPMENT AND FIRST RESULTS OF ISENTROPIC COMPRESSION EXPERIMENTS ON THE ICE-16 TEST FACILITY	ZUCCHINI, Frédéric	
[1214] 5P71 - Pulsed Power Systems Developed for the Lockheed Martin Compact Fusion Reactor	Dr STEINER, Adam	
[864] 5P58 - Development of a compact nanosecond pulse generator	MATSUKAWA, Ryuki	
[876] 5P59 - Energy Density Optimization of Inductive Pulsed Power Supply Module	LI, Zhen	
[1166] 5P67 - Pulsed Power Modulator with Active Pull-Down Using Diode Reverse Recovery Time	PARK, Su-Mi SONG, Seung-Ho CHO, CHANGI	
[991] 5P48 - High Average Power Nanofarad-Scale Capacitor Charging on Sub-Microsecond Timescales	ZIEMBA, Tim	
[882] 5P61 - Meat Grinder with ACC Circuit	SUN, Hao	
[932] 5P63 - Push-pull plasma power supply – combining techniques for increased stability	Mr KRUPSKI, Piotr	
[1066] 5P65 - The influence of the architecture of the power system on the operational parameters of the GlidArc plasma reactor	Dr KOMARZYNIEC, Grzegorz Mr KRUPSKI, Piotr	
[1124] 5P42 - The Development of Capacitive Nonlinear Transmission Lines and Their Performance Limits	Dr GONÇALVES LOPES RANGEL, Elizete ROSSI, Jose	
[1139] 5P44 - Development of an RF circuit amplifier fed by a low power nonlinear transmission line	Dr SILVA NETO, Lauro Paulo	
[597] 5P02 - Probability of PBX Detonation Due to Impact Forces and Surface Grit	Mr HEWITT, Austin	
[520] 5P04 - An ultra-portable X-pinch driver for hard X-ray diagnostics	BLAND, Simon	
[740] 5P06 - Study on the restrike characteristics of metal electrical explosion	HONG-XIN, YU	
[745] 5P15 - Design of Modular High-Voltage Nanosecond Pulse Generator with Adjustable Rise/Fall Time Based on MMC Topologies	WAN, Hui	

[963] 5P17 - Characterization of Compact Short Pulse Power Supply for Non-Thermal Plasma Discharge Applications	DHAKAR, Ajeet	
[1296] 5P28 - Sustaining High Power RF Signal Generation in a Positive Feedback Network	AZAD, A N M Wasekul	
[940] 5P38 - Utilization and Optimization of Superconducting Coil Parameters in Electromagnetic Launcher Systems	Mr POLAT, Hakan	
[671] 5P56 - A METHOD OF ENERGY RECOVERY SWITCHING FOR PULSED POWER USING SIC-MOSFET	Prof. SAKUGAWA, Takashi	
[749] 5P57 - All solid state ultra-fast turn-on time compact MARX generator	Mr GERTSMAN, Alexander Mr RUBINSHTEIN , Zeev	
[1314] 5P33 - Linear Transformer Driver for HEDP experiments at UC San Diego	AYBAR, Nicholas	
[562] 5P01 - High Speed Imaging of Polymer Bonded Explosives under Mechanical Stresses	LEE, Ryan	
[1230] 5P72 - Design and Performance of a 4 MV, 14 kJ Marx Generator	Dr MAYES, Jon	
[695] 5P23 - Measurements on Combined 12.5/17.5 kV Prototype Inductive Adder for the CLIC DR Kickers	SENAJ, Viliam	
[1134] 5P43 - Dynamics of Melting Solenoids for Laser Experiments on the National Ignition Facility	CARROLL, Evan	
[1100] 5P19 - Advanced NanoDielectric Material Scaling for Further Size Reduction of Ultra-High Voltage, 500 kV Capacitor Prototypes	CURRY, Randy	
[983] 5P74 - 50 kV Resonant Full Bridge for Klystron Driving	PRAGER, James	
[543] 5P10 - Design and simulation of compact explosively-driven magnetic flux compression (MFC) generators for high energy applications.	Dr VUNNI, George	