

2017 IEEE Pulsed Power Conference

Wednesday, 21 June 2017

Poster session III - High Power Electronics - Hall 4 / Cambridge (13:30 - 15:00)

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[421] Evaluation of High Frequency Solid State Switches for Pulsed Power Applications Using a 12 kW Variable Voltage Testbed	BAYNE, Stephen	3
[400] Design of Time Sequence Discharging Control System for Pulse Power Supply Modules	LIU, Kun	4
[366] Optimization of High Frequency Transformer Based on Advanced Genetic Algorithm	YANG, Zhiting	5
[18] HIGH CURRENT PULSED POWER SUPPLIES FOR ST-40 SPHERICAL TOKAMAK	EIKELBOOM, Bas	6
[23] Design of a 30MJ capacitor-based pulsed power supply for EML	LI, Zhenxiao	7
[24] Silvaco-based electrothermal simulation of 10 kV 4H-SiC p-i-n diode under pulsed condition	PUSHPAKARAN, Bejoy	8
[30] Heavy Pulse Currents LTT Switch Unit	FRIDMAN, Boris	9
[44] Skin-parameter of massive conductors and transients in electrical circuits of pulse power facilities	FRIDMAN, Boris	10
[131] Design and Experiment of a 3-phase Series-Parallel Resonant Type High Voltage Capacitor Charger	BAE, Youngseok	11
[132] Analysis and Design of a Series-Parallel Resonant Converter without Inductor Filter for use in High Voltage Capacitor Charger Applications	BAE, Youngseok	12
[135] Application of current charged pulse forming lines for generation of high voltage nanosecond pulses	Mr LYUBLINSKY, Alexander	13
[182] Wide Injection Range OCVD System for Lifetime Spectroscopy Techniques	LACOUTURE, Shelby	14
[186] Research of distributed charge based on magnetic self-balance	Mr ZHOU, Qianyu	15
[230] Improving low power (30W to 250W average) pulsed power performance and reliability by improving High Voltage power quality	BYFIELD, Gary COURT, Martin	16
[262] A new synchronization method based on compensation of phase deviation for pulsed generator power supply	Dr XU, Yun	17
[265] Design of Active Voltage Droop Compensator for Solid-State Long Pulse Modulator	JANG, Sung-Roc	18
[278] Solid state thyatron replacement switch feasibility	Mr RAVIDÀ, Gianfranco	19
[281] A High Power Charging Power Supply for Capacitive Pulsed Power System	Dr ZHOU, Jun	20
[299] Improving high power precision Electron Beam and Ion Beam performance and reliability by improving High Voltage power quality	COURT, Martin	21

[321] Zero average flux tracking algorithm for high frequency transformers used in long pulse applications	COLLINS, Max	22
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