



# 2018 IEEE International Power Modulator and High Voltage Conference

## Tuesday, 5 June 2018

### Poster 2 - High Voltage Design and Power Modulator Components - Buffalo/Moose (13:30 - 15:00)

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[76] DESIGN AND CONSTRUCTION OF HIGH VOLTAGE MODULATORS TO PRODUCE RECTANGULAR PULSES	SILVESTRE DE FERRON, Antoine	2P06
[100] A fast 5kV 5kA power supply for Active Electrodes of Fusion Generator C2-W (Norman).		2P08
[178] Measured data and model for erosion of a spark gap at continuous 800 Hz, 10 J pulsed operation		2P09
[67] Study on Electrically Excited Winding Vibration Frequency Response Under Various Clamping Pressures	Mr ZHAN, Cao	2P11
[46] SOLID STATE LASER TRIGGERING SYSTEM FOR THE HERMES-III ACCELERATOR	GRABOWSKI, Chris	2P12
[241] Experimental Results of an Isolated Resonant DC-DC Converter for High Voltage Application		2P13
[65] Saturation behavior of nano-crystalline pulse compression cores	STROWITZKI, Claus	2P14
[62] Dynamic Impedance Load for Over-current Testing of Semiconductor-based Marx Generators		2P15
[113] Optimized High Voltage Analog Switch IC using Low Breakdown SOI technology		2P17
[222] Transient Voltage Distribution Characteristics of Ultrahigh-Voltage Transformer Windings under Impulses with Different Front Time		2P25
[95] Comparative Study of Pulse Trigger Circuit and DC Trigger Circuit for Xenon Flash Lamp Driver	Prof. RYOO, Hong-Je	2P26
[191] Phase I Summary: Neutral Beam Injector Grid Power System		2P28
[192] A High Voltage, Solid-State Switch for Magnetron Driving		2P29
[208] Partial discharge characterization in soft dielectrics using thin film PVDF sensors to detect ultrasonic waves		2P30
[207] An Analysis of Strike and Restrike Characteristics of the Exploding Film Phenomenon Under Different Temperature and Pressure Conditions		2P31
[41] A pulsed current supply based on solid-state Marx generators in parallel		2P32
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[114] Analysis of Commercial GaN HEMT in Overcurrent Operations under Higher Ambient Temperature	Mr KIM, Matthew	2P38
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<b>[140] Ribbon Cables as Stripline Components</b>		2P45
<b>[242] Solid State Power Emulator Improvements for Power Device Evaluation</b>	Mr THOMAS, Richard	2P46
<b>[194] HIGH CURRENT SENSING THROUGH FARADAY ROTATION OF POLARIZED LIGHT OF VARYING WAVELENGTHS IN FIBERS II</b>	Mr COFFEY, Sean Dr GRABOWSKI, T. Chris	2P47
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<b>[172] Automated GTO Measurement, Validation and Stack Selection System for the LHC Beam Dumping System</b>		2P53
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<b>[25] A Transformer Vibration Signal Separation Method Based on BP Neural Network</b>	GU, Chunhui	2P62
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