



# 2016 IEEE Power Modulator and High Voltage Conference

## Friday 8 July 2016

### Poster 3-A - Twin Peaks (13:30 - 15:00)

[id] title	presenter	board
[137] The Movement of Bubbles on High Repetition Discharges in Tap Water	OIKAWA, takuma	
[20] DEVELOPMENT OF HIGH-POWER GAS DISCHARGE AND ELECTRONIC VACUUM DEVICES FOR PULSED ELECTROPHYSIC. CURRENT STATUS AND PROSPECTS	Mr BOCHKOV, Dmitriy Dr BOCHKOV, Victor	
[23] GENERATION OF INTENSIVE DIRECTED CONTROLLED X-RAY RADIATION DURING CAVITATION OF FAST LIQUID STREAM		
[29] Nanosecond Pulse Discharges in an Inhomogeneous Electric Field in atmospheric air	SHAO, Tao	
[154] Effect of Distance between Electrodes for Water Treatment by Plasma	SUGAI, Taichi	
[93] The Effects of Lightning Discharges on Control & Communication Cables and Antenna Systems	Mr CIVIL, Anil	
[92] Study on the characteristics of the shock wave induced by underwater pulsed current discharge	LI, ZhiYuan	
[233] Research of Airflow Control Using Surface Dielectric Barrier Discharge Plasma at Atmosphere Pressure	Dr YANG, Liang	
[91] Optical diagnostics of single-wire electrical explosion in vacuum	SHI, Huantong	
[255] Design of a Compulsator to drive a Railgun	Mr KULKARNI, Apurva	
[35] Study of Accelerating Surface Charge Dissipation on Epoxy Treated by Dielectric Barrier Discharge	SHAO, Tao	
[105] Experimental Investigation on Humidity Effects on the Variations of Positive DC Corona Discharge	Prof. XINGMING, Bian Prof. LU, Tiebing	
[201] Self-sustaining conditions for nanosecond pulsed volume discharges under airflows	WEI, Liqiu	
[243] Introduction to non-magnetically confined fusion plasma torch-device.	Dr GUTMAN, Boris Mr VILLANOVA, Giovanni Mr BELLUCCIA, Nicholas	
[40] Mode Transition in Microsecond-Pulse Gliding Discharges at Atmospheric Pressure	ZHANG, Cheng	
[24] TANDEM FREE ELECTRON X-RAY LASER ON CHANNELING RELATIVISTIC PARTICLES	Dr VYSOTSKYY, Mykhailo Prof. VYSOTSKII, Vladimir	
[200] Pre-ionization roles of upstream discharges for downstream discharges under airflows	DING, Yongjie	
[44] The characteristics of repetitive frequency discharge of Plasma Synthetic Jet Actuators	Mrs REN, Chengyan	
[196] Electric Pulse Parameter and Electrode Geometry Impact on Plasma Formation	GARNER, Allen L.	

[140] MODELING AND SIMULATION OF MULTIPACTOR DISCHARGE ON DIELECTRIC WINDOW UNDER HPM IN VACUUM	Mr SONG, Bai-Peng	
[231] polytetrafluoroethylene films Surface treatment of atmospheric pressure three-dielectric-layer barrier discharge plasma driven by sub-microsecond repetitive pulses	Ms LI, Xi	
[136] Experiments about discharge in water with changing conductivity and applied voltages	FUE, Masatoshi	
[39] Optical and Illuminant Characteristics of Nanosecond-Pulse Diffuse Discharges in a Point-to-point Gap	ZHANG, Cheng	
[230] Computer Simulation Evaluation of an Electric Current Impulse generator		
[161] Improvement of Ozone Producing Coaxial Reactor by Tensioned Inner Wire Electrode in Using Nanosecond Pulsed Power	Mr IKEMOTO, Tomohide	
[334] PLASMA-ASSISTED COMBUSTION TECHNOLOGY USING NANOSECOND PULSED POWER	Mr NAKAMURA, Ryo	
[286] STUDY OF THE CORONA EFFECT : APPLICATION TO THE IONOCRAFT		
[199] Spatial resolved observation of repetitive nanosecond volume discharges under airflows	JINGFENG, Tang	
[219] PIC/DSMC Simulation of Radiation Transport Dynamics in Helium Gas Discharges	FIERRO, Andrew	
[115] Research on 24MJ PFN for electromagnetic launch discharged in sequence	Mr JIN, Chaoliang	
[269] SEPARATION PROCESS OF PLASTIC AND METAL FROM CD-R USING PULSED POWER	YAMASHITA, Tomohiko	
[52] Motion Behavior of Free Conducting Wire-type Particles in SF6 Gas under DC Voltage	HAOYANG, YOU	
[291] Spectral mapping of the corona discharge	Mr AVHAD, Ganesh	
[170] Effect of Solution Electric Conductivity on Surfactant Treatment Using Nanosecond Pulsed Powers	Mr SHIMIZU, Kai	
[300] Design of a 5.5MJ Charge Dump Power Supply for the PPPL FLARE Experiment	Dr MELNIK, Paul	
[109] Effects of pulsed magnetic field on performances of semiconductor devices	Mr YANG, Yang	
[94] Design and Implementation of a Hierarchical Control System Architecture for a Modular Pulsed Power Supply System	Mr CIVIL, Anil	
[335] The development of three stage electromagnetic forming facility and its timing control system	Dr XIE, Jianfeng Prof. HAN, Xiaotao	
[336] Effects of increasing the repetition rate in nitrogen oxides treatment using pulsed discharge plasma	Mr ISHIKAWA, Takashi	
[60] Behavior of Pulsed Streamer Discharges in Flowing Water	Prof. AKIYAMA, Masahiro	
[155] Coupled Thermal-Electrical Simulation Analysis for Carbon Fiber Composites Exposed to Lightning Current Impulse Based on Deleting Cell Process		
[116] Observation of Underwater Pulse Discharge and Influence of Deposited Energy on Shock Wave	Dr LI, Xiandong	
[62] Generation and Characterization of a Pulsed Dense Plasma with Helium*	Mr MANEGOLD, Thomas	
[90] Quasi-Analytical Derivation of Parallel-Plate Multipactor Trajectories in the Presence of Higher-Order Mode Perturbations	Mr RICE, Scott	

**[16] Analysis of Motion and Discharge of the Free Conducting Wire Particle in DC GIS**

Mr WANG, JIAN