

September 17 Thursday

8:30 - 9:30	Plenary Session 4		NC Hall
	PL-4	Principle and Development of Pulsed Energy Storage Technology for Electromagnetic Acceleration Hua Li (Huazhong University of Science and Technology (HUST), China)	
9:30 - 10:00	Coffee Break		
	EAPPC	Oral Session G1	NC Hall
10:00 - 10:30	G1-1 (Invited)	Efficient Charging of Capacitive Loads via Modulators Employing Diode Opening Switches Jane Lehr (University of New Mexico, United States of America)	
10:30 - 10:45	G1-2	Improved Longevity of Gallium Arsenide Photoconductive Semiconductor Switches with Silicon Nitride Passivation at High-Gain Mode Chee Lap Chow (Temasek Laboratories @ NTU, Nanyang Technological University, Singapore)	
10:45 - 11:00	G1-3	Axial Flow of Heated Gas Induced by Nanosecond Repetitively Pulsed Discharges with Conical Electrodes Haoyu Guan (Tsinghua University, China)	
11:00 - 11:15	G1-4	Evaluation of 10-kV SiC MOSFETs for Nanosecond Pulsed Power Applications Tom Huiskamp (Eindhoven University of Technology, Netherlands)	
11:15 - 11:30	G1-5	Characterisation of Ester-Based Dielectrics for Self-Break Spark Gap Switching in Sustainable Pulsed Power Systems Chris Williamson (University of Strathclyde, United Kingdom)	
11:30 - 11:45	G1-6	High Pressure Breakdown in Ultra-Zero Air: Modeling and Arc Constriction Seth Miller (Sandia National Laboratories, United States of America)	
11:45 - 12:00	G1-7	A new method to test radiation resistance of devices and stress testing of materials used in harsh environments Patrizio Antici (INRS-ISL, Canada)	
	EAPPC	Oral Session G2	Kashiwa
10:00 - 10:15	G2-1	High-Voltage Marx Power Supply Based on 13-kV SiC MOSFETs for Muon Linac Applications Tomohiro Takayanagi (J-PARC, Japan)	
10:15 - 10:30	G2-2	Development and characterization of a SiC MOSFET switching array and its usage in a Marx generator Rainer Bischoff (French-German Research Institute of Saint-Louis (ISL), France)	
10:30 - 11:00	G2-3 (Invited)	A Compact Hadron Therapy driven by the Fast-Cycling Induction Synchrotron Ken Takayama (High Energy Accelerator Research Organization (KEK), Japan)	
11:00 - 11:15	G2-4	The effect of nanosecond pulsed e-beams on organic condensed matter Olga Chaikovskaia (Institute of Electrophysics of the UB RAS, Russian Federation)	
11:15 - 11:30	G2-5	Function of high-voltage stimulation on fruiting body formation of Basidiomycota Koichi Takaki (Iwate University, Japan)	
11:30 - 11:45	G2-6	Discharge Characteristics of Gas Gaps under High-repetition-frequency Pulses Xiaobing Zou (Tsinghua University, China)	
11:45 - 12:00	G2-7	Three Numerical Methods for Modeling Imperfect Armature/Rail Sliding Contact in Electromagnetic Analysis Jinghan Xu (Dalian University of Technology, China)	