

Technical Session	Technical Session Organizer
7.3 Generators and Networks	Luis Redondo (lmredondo@deea.isel.ipl.pt)
7.4 Compact and Rep-Rated Pulsed Power	Koichi Takaki (takaki@iwate-u.ac.jp)

Session WE 1.2: Generator and Networks & Compact and Rep-rated Pulsed Power

Wednesday, May 24, 2017 from 10:00-11:45, Wildwood 10

Session Chair: Praveen Desireddy,

10:00 WE 1.2-1 (invited) COAXIAL-CONICAL TRANSITION IN MAGNETICALLY INSULATED TRANSMISSION LINES

W. Zou¹, B. Wei¹, F. Guo¹, B. Gong¹, L. Chen¹, M. Wang¹, L. Liu², D. Liu²

¹Key Laboratory of Pulsed Power, Institute of Fluid Physics, China Academy of Engineering Physics, Mianyang, Sichuan, China

²School of Physical Electronics, University of Electronic Science and Technology of China, Chengdu, Sichuan, China

10:15 WE 1.2-2 (invited) THEORETICAL INVESTIGATION OF A NOVEL HIGH CURRENT DIODE WITH MULTIPACTING CATHODE

Y. Dong

Institute of Applied Physics and Computational Mathematics, Beijing, China

10:45 WE 1.2-3 A REPETITIVE NANOSECOND PULSES GENERATOR BASED ON AVALANCHE TRANSISTOR MARX CIRCUITS AND TRANSMISSION LINE TRANSFORMER

J. Li, Z. Zhao, Y. Sun, Y. Liu, Z. Ren, J. He

School of Electrical Engineering, Xi'an Jiaotong University, Xi'an, China

11:00 WE 1.2-4 DEVELOPING A HIGH POWER, PULSED UV LED SYSTEM FOR PHOTOCONDUCTIVE SWITCHING APPLICATIONS

N. A. Wilson, D. L. Mauch, V. E. Meyers, J. C. Dickens, A. A. Neuber

Center for Pulsed Power and Power Electronics, Texas Tech University, Lubbock, TX, United States

11:15 WE 1.2-5 NS DIELECTRIC BARRIER DISCHARGE DEVELOPMENT AND THRUST GENERATION IN 4-ELECTRODE GEOMETRY

A. Starikovskiy, K. Meehan, R. Miles

Princeton University, Princeton, United States

11:30 WE 1.2-6 NOVEL DESIGN OF HIGH VOLTAGE PULSE SOURCE FOR EFFICIENT DBD PLASMA GENERATION BY USING SIDAC

H. T. Truong¹, M. Hayashi¹, Y. Uesugi¹, Y. Tanaka¹, T. Ishijima²

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