### Oral session 7 - Power Conditioning, Linear Transformer Drivers (LTDs), Pulse Forming Lines and Transformers - Session Chair: Weihua Jiang

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<td>Conceptual design of a 900-TW pulsed-power accelerator driven by impedance-matched Marx generators</td>
<td>William Stygar</td>
<td>Sandia National Laboratories</td>
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<td>A Fast Rise Time Air Insulated Linear Transformer Driver for High Energy Density Physics</td>
<td>Casey Rodgers</td>
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<td>Pulse Width Lengthening Technique for Compact Pulsed Power Generator</td>
<td>Zicheng Zhang</td>
<td>National University of Defense Technology, China</td>
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<td>Experiments on the Clam Shell Magnetically Insulated Transmission Line (CSMITL2) on Saturn</td>
<td>Ben Ulmen</td>
<td>Sandia National Laboratories</td>
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<td>Square Pulse LTD Stage Based on Simplified Pulse Forming Network</td>
<td>Zhou Liangji</td>
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<td>Status of Linear Transformer Driver Facilities for High Energy Density Physics Experiments at the University of Michigan</td>
<td>Ryan McBride</td>
<td>University of Michigan</td>
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<td>Changhao Bian</td>
<td>Chongqing University</td>
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<td>Power Amplification with Static and Dynamic Load Current Multipliers</td>
<td>A.S. Chuvatin</td>
<td>Ecole Polytechnique, France</td>
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<td>Impedance matching of pulsed power accelerator for megajoule-class dynamic-material-physics experiments</td>
<td>Jiang Jihao</td>
<td>Institute of Fluid Physics, CAEP</td>
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<td>Remote generation of intense pulsed electric fields in water</td>
<td>Peter Senior</td>
<td>Loughborough University</td>
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<td>Tao Wang</td>
<td>University of Strathclyde</td>
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<td>Siwei Liu</td>
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<td>Martin Sack</td>
<td>Karlsruhe Institute of Technology</td>
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<td>yiyi zhao</td>
<td>University of Strathclyde</td>
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<td>Markus Schneider</td>
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<td>Janne Holma</td>
<td>CERN</td>
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<td>Advantages of pulsed power driven transient plasmas.</td>
<td>Guus Pemen</td>
<td>Eindhoven University of Technology</td>
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<td>John Slough</td>
<td>University of Washington</td>
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<td>Pierre Gourdain</td>
<td>University of Rochester</td>
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<td>Yang Zhang</td>
<td>IAPCM</td>
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<td>Martial Toury</td>
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<td>Robert Reinovsky</td>
<td>Los Alamos National Laboratory</td>
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<td>Christopher Rous culp</td>
<td>Los Alamos National Laboratory</td>
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<td>Svetlana Tkachenko</td>
<td>State Research Center of Russian Federation, Troitsk Institute for Innovation and Fusion Research</td>
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<td>Advances in Electromagnetic Flux-compression Research</td>
<td>Zhongyu Zhou</td>
<td>Institute of Fluid Physics, Chinese Academy of Engineering Phy</td>
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<td>Electronic steering of radiation beam by phase control in the arrays of uncoupled nonlinear transmission lines and Cherenkov-type HPM oscillators</td>
<td>Vladislav Rostov</td>
<td>Institute of High Current Electronics</td>
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<td>Jose Rossi</td>
<td>National Institute for Space Research</td>
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<td>Edl Shamiloglu</td>
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<td>Brett Huhman</td>
<td>US Naval Research Laboratory</td>
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<td>Alessandro Lampasi</td>
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<td>Takahiro Inagaki</td>
<td>RIKEN SPring-8 center</td>
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<td>Michael Kempkes</td>
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<td>Shirong Hao</td>
<td>Key Laboratory of Pulsed Power, Institute of Fluid Physics, CAEP</td>
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15:15   | 77   | Results of comparison between underwater explosions of Cu and Al wires and investigation of symmetry of a shock wave generated by a cylindrical wire array explosion | David Yanuka       | Technion - Institute of Technology 
15:30   | 80   | Preconditioned wire array Z-pinch driven by a double-pulse current generator | Jian Wu            | Xi’an Jiaotong university        
15:45   | 78   | Generation of cylindrically convergent shockwaves in water on the MACH facility | Simon Bland        | Imperial College London          
16:15   | 122  | Recent progress in implosion of a quasi-spherical shock waves and x-ray imaging of exploding wires | Mikhail Nitishinskiy | Technion - Institute of Technology 
16:30   | 146  | Cygnus Performance on Five Subcritical Experiments                  | John Smith         | Los Alamos National Laboratory   
16:45   | 212  | Magnetic-field evolution in Z-pinch implosion with preembedded axial magnetic field | Dmitry Mikitchuk   | Weizmann Institute of Science     
17:00   | 86   | OVERVIEW OF THE EXPERIMENTAL DATA ON THE USE OF A VACUUM ARC DISCHARGE FOR Z-PINCHES | Alexander Rousskikh | Institute of High Current Electronics 
17:15   | 50   | Experimental Platform Development for Studying Vacuum Power Flow Physics at the Sandia Z Accelerator | George Laity       | Sandia National Laboratories     

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<td>Pavel Rodin</td>
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<td>Miguel Hinojosa</td>
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<td>Chongbiao Luan</td>
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<td>Stephen Bayne</td>
<td>Texas Tech University</td>
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<td>Rainer Bischoff</td>
<td>French-German Research Institute of Saint-Louis (ISL)</td>
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<td>Silvaco-based evaluation of 10 kV 4H-SiC MOSFET as a solid-state switch in narrow-pulse application</td>
<td>Bejoy Pushpakaran</td>
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