

MG-XVI Technical Program

Tuesday, 25

Wednesday, 26

Thursday, 27

Friday, 28

Saturday, 29

15:30 - 20:30 Registration	17:30 - 20:30 Get together	<table border="1"> <tr> <th>Opening</th> <th>8:45 - 9:00</th> <th>Opening Ceremony</th> </tr> <tr> <td>Plenary W1</td> <td>9:00 - 9:30</td> <td>Shojiro Takeyama, ISSP, UTokyo, Japan 1000 T project of the electro-magnetic flux compression at Kashiwa, Utokyo [ID-35]</td> </tr> <tr> <td>Plenary W2</td> <td>9:30 - 10:00</td> <td>Sergei Zherlitsyn, Helmholtz-Zentrum Dresden-Rossendorf, Germany Exotic Magnetic States at High Magnetic Fields [ID-19]</td> </tr> <tr> <td>Break</td> <td>10:00 - 10:30</td> <td>Let's enjoy Coffee!</td> </tr> <tr> <td>Talk W1</td> <td>10:30 - 10:45</td> <td>Oliver Portugall, CNRS-LNCMI, France Megagauss fields for scientific experiments: strategies and routes to improve magnet reliability [ID-93]</td> </tr> <tr> <td>Talk W2</td> <td>10:45 - 11:00</td> <td>Fedor F. 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Talk T3	11:00 - 11:15	Yuki Izaki , University of Electro-Communications, Japan Anomalous Zeeman effect in strongly spin-orbit coupled system [ID-73]																																																																																																																																																																																							
Talk T4	11:15 - 11:30	Shusuke Kasamatsu , ISSP, UTokyo, Japan vdW-DF+U description of solid oxygen in ambient pressure and its magnetic-field induced phase transition [ID-60]																																																																																																																																																																																							
Talk T5	11:30 - 11:45	Peter John Turchi , Compact Fusion Systems, Inc., USA Review of Controlled Fusion Power at Megagauss Field Levels [ID-41]																																																																																																																																																																																							
Talk T6	11:45 - 12:00	Kenneth William Struve , Sandia National Laboratories, USA Estimates of Saturn Radiation Output Scaling versus Machine Design Parameters [ID-61]																																																																																																																																																																																							
Talk T7	12:00 - 12:15	Bucur Novac , Loughborough University, UK Unconventional Microwave Source [ID-30]																																																																																																																																																																																							
Break	12:15 - 14:00	Let's enjoy Lunch!																																																																																																																																																																																							
Poster	14:00 - 15:30	Poster Session (II) Group B																																																																																																																																																																																							
Break	15:30 - 16:00	Let's enjoy Coffee!																																																																																																																																																																																							
Invited T1	16:00 - 16:25	Paul Holligan , First Light Fusion, UK An overview of the pulsed power developments at First Light Fusion including the design and construction of Machine 3, a 2.5 MJ low inductance capacitor discharge machine [ID-205]																																																																																																																																																																																							
Invited T2	16:25 - 16:50	Gerald F Kiuttu , VariTech Services, USA Electric Field and Breakdown Modeling of Helical Explosive Generators [ID-42]																																																																																																																																																																																							
Talk T8	16:50 - 17:05	Andrew Jacob Young , Lawrence Livermore National Laboratory, USA On the Results of an Experiment with a Megajoule Class Helical Flux Compression Generator Operating at Above-Nominal Levels of Current and Voltage Stress [ID-62]																																																																																																																																																																																							
Talk T9	17:05 - 17:20	Timothy Foley , Los Alamos National Laboratory, USA Coming Back Around Again: The Machined, Helical Flux Compression Generator [ID-64]																																																																																																																																																																																							
Talk T10	17:20 - 17:35	Mikhail Alekseevich Shurupov , JIHT RAS, Russia Explosion magnetic generator for power supply of a plasma loads [ID-33]																																																																																																																																																																																							
Talk T11	17:35 - 17:50	Erik Hector Haroz , Los Alamos National Laboratory, USA Initial Experiments with LANL "Ranchero-S" Flux Compression Generator [ID-37]																																																																																																																																																																																							
Talk T12	17:50 - 18:05	Zhuowei GU , Institute of Fluid Physics, Chinese Academy of Engineering Physics, China Explosive Implosion Magnetic Flux Generator Researching and its Application in Extreme Condition Experiments [ID-11]																																																																																																																																																																																							
Party	18:30 - 21:00	100th-Birth Celebra. M. Fowler																																																																																																																																																																																							
Plenary F1	9:00 - 9:30	Vasily Demidov , Russian Federal Nuclear Center - VNIIEF, Russia Application of Helical Magneto-Cumulative Generators in Physical Experiments [ID-21]																																																																																																																																																																																							
Plenary F2	9:30 - 10:00	James Houston Goforth , Los Alamos National Laboratory, USA The Path to 100 MJ Ranchero Experiments [ID-12]																																																																																																																																																																																							
Break	10:00 - 10:30	Let's enjoy Coffee!																																																																																																																																																																																							
Poster	10:30 - 12:15	Poster Session (III) Group A & Group B <i>*Steering Committee</i>																																																																																																																																																																																							
Break	12:15 - 14:00	Let's enjoy Lunch!																																																																																																																																																																																							
Lab. Tour	14:00 - 17:00	IMGSL, ISSP Lab. Tour and Demo EMFC Explosion Experiment																																																																																																																																																																																							
Banquet	18:30 - 21:00	Conference Banquet																																																																																																																																																																																							
Plenary S1	9:00 - 9:30	Wenakng Zou , Key Laboratory of Pulsed Power, Institute of Fluid Physics, China Academy of Engineering Physics, China Progress of High Current Pulse Transmission Based on the 10 MA Primary Test Stand [ID-5]																																																																																																																																																																																							
Plenary S2	9:30 - 10:00	A. M. Buyko , Russian Federal Nuclear Center, Russia 25th Anniversary of the Joint US-Russian Disk EMG Experiment [ID-40]																																																																																																																																																																																							
Break	10:00 - 10:30	Let's enjoy Coffee!																																																																																																																																																																																							
Talk S1	10:30 - 10:45	Robert Emil Reinovsky , Los Alamos National Laboratory, USA USING MAGNETO-HYDRODYNAMIC EXPERIMENTS AND HIGH MAGNETIC FIELDS, TO VALIDATE MODERN CODES THAT SIMULATE EXTREME CONDITIONS [ID-38]																																																																																																																																																																																							
Talk S2	10:45 - 11:00	Christopher L Rousculp , Los Alamos National Laboratory, USA MHD Modeling of Shock Physics Experiments with the PHELIX Portable High Magnetic Field Driver [ID-75]																																																																																																																																																																																							
Talk S3	11:00 - 11:15	Matthew S. Freeman , Los Alamos National Laboratory, USA Cylindrical Driven Shocks in Ceria [ID-74]																																																																																																																																																																																							
Talk S4	11:15 - 11:30	Douglas George Tasker , Los Alamos National Laboratory, USA The Effect of Metal Temper on Explosively-Formed Fuse Performance [ID-16]																																																																																																																																																																																							
Talk S5	11:30 - 11:45	Zhongyu Zhou , Institute of Fluid Physics, China Academy of Engineering Physics, China A Method for Electrical Conductivity Measurement of Substances under Isentropic Magnetic Compression [ID-13]																																																																																																																																																																																							
Talk S6	11:45 - 12:00	Zhaohui Zhang , Institute of Fluid Physics, China Measurement of Dynamic Materials Properties on PTS [ID-8]																																																																																																																																																																																							
Closing	12:00 - 12:15	Closing Ceremony																																																																																																																																																																																							