



FIRST SESSION

ALL TIMES ARE PACIFIC TIME (PDT)

- 08:15 - 08:30** Opening Remarks: Mark D. Johnston (Sandia National Laboratory)
- 08:30 - 09:30** MC-1: David Ball (Cleveland State, Retired) – *Spectroscopy: A Chemist’s Overview*
- 09:30 - 10:30** MC-2: Oleksandr Marchuk (Institute of Energy and Climate Research (IEK-4)) – *Plasma Spectroscopy of Magnetic Fusion Plasmas: From X-ray to Visible Light*
- 10:30 - 11:30** MC-3: Jean-Pierre van Helden (Leibniz Institute for Plasma Science and Technology (INP)) – *Infrared Laser Spectroscopy to Characterize Low and Atmospheric Pressure Plasmas*
- 11:30 - 11:45** **FIRST SESSION BREAK**
- 11:45 - 12:45** MC-4: Yitzhak Maron (Weizmann Institute of Science) – *Spectroscopic Determination of Magnetic Fields in Pulsed-Power and High Energy Density Plasmas*
- 12:45 - 13:45** MC-5: John C. Mather (NASA: Goddard Space Flight Center) – *Opening the Infrared Treasure Chest with the James Webb Space Telescope (JWST)*
- 13:45 - 14:15** **MID-COURSE BREAK**

SECOND SESSION

- 14:15 - 15:15** MC-6: Eugene Oks (Auburn University) – *Lineshape-Based Spectroscopic Diagnostics of Astrophysical Plasmas in the Visible and Radio Ranges*
- 15:15 - 16:15** MC-7: Karl Krushelnick (University of Michigan) – *Spectroscopy of High Intensity, Ultra-Short Pulse, Laser-Plasma Interactions*
- 16:15 - 17:15** MC-8: Sivanandan (Hari) S. Harilal (Pacific Northwest National Laboratory) – *Characterization of Laser Produced Plasmas using Optical Spectroscopy*
- 17:15 - 17:30** **SECOND SESSION BREAK**
- 17:30 - 18:30** MC-9: Steven Rehse (University of Windsor) – *21st Century Medicine, One Spark at a Time: Biomedical Applications of Laser-Induced Breakdown Spectroscopy (LIBS)*
- 18:30 - 19:30** MC-10: Roger C. Wiens (Los Alamos National Laboratories) – *LIBS on the Red Planet: Exploration of Another World using CHEMCAM and SUPERCAM*

LECTURES WILL BE 50 MINUTES IN LENGTH WITH 10 MINUTES RESERVED FOR QUESTIONS