

Subject: Session D2.3 at COSPAR 2018 in “Solar Transients: From Solar Origin to Earth Impact and the Outer Heliosphere”

We are pleased to announce the following session at the 42nd COSPAR Scientific Assembly, Pasadena, California, July 14 – 22, 2108: Session D2.3 entitled as “Solar Transients: From Solar Origin to Earth Impact and the Outer Heliosphere”. This five-half-day-long session will cover a variety of topics, including (1) solar origin of transients: flares, CMEs, filament eruptions, coronal holes, particle acceleration and active regions that are potentially geo-effective, (2) CMEs, CIRs and shocks evolution in the Interplanetary Space: observations, theory and simulation of CMEs, Sheaths, CIRs from the Sun to the Earth and beyond, and transport and impact of solar and galactic energetic particles. (3) Campaign study of Earth-affecting events: focused study on carefully selected events, such as St. Patrick Day's event, standard or "textbook"-type events, stealth events etc. (4) Magnetic flux ropes and Bz Challenge: address the magnetic topology of solar transients, in particular, on the important Z-component of magnetic field. (5) Space weather forecast: emphasizing prediction techniques, their accuracy, validation and limitations for the operational purpose

A complete description of the event referred to above and abstract submission instructions are available on the Assembly web page at: <http://www.cospar-assembly.org> <<http://www.cospar-assembly.org>>. The deadline of abstract submission is February 09, 2018.

SOC: Jie Zhang (Main Scientific Organizer, USA), Sergio Dasso (Deputy Organizer, Argentina), Ayumi Asai (Japan), Mario M. Bisi (UK), Nat Gopalswamy (USA), Alejandro Lara (Mexico), Noe Lugaz (USA), Alexis Rouillard (France), Luciano Rodriguez (Belgium), Spiros Patsourakos (Greece), Nandita Srivastava (India), Manuela Temmer (Austria), Yu-Ming Wang (China), Yuri Yermolaev (Russia)