

Dear colleagues,

we invite abstract submissions to our session to be held at the next EGU General Assembly 2018 entitled:

PREPARING FOR SOLAR ORBITER, PARKER SOLAR PROBE AND THE HELIOPHYSICS OBSERVATORY

Convener: Alexis Rouillard

Co-Conveners: Daniel Mueller , Marco Velli , Olga Malandraki , Manuela Temmer

The physical processes that produce the solar wind and the rich set of phenomena associated with solar activity are still highly debated and their understanding is a prime research goal in heliophysics. The latter is at the dawn of a golden age with the imminent launch of the Solar Orbiter, Parker Solar Probe and PROBA-3 missions, that will provide radically new observations of the Sun's atmosphere. Though each mission has its own specific scientific goals and promises great advances in our understanding of the Sun and the interplanetary medium, taken together the three missions will provide the first contemporaneous genuinely 3D exploration of the Heliosphere. To make full use of the data provided by these missions it is paramount to develop improved numerical models and new tools enabling further tests of the various theories proposed to explain the processes driving the dynamic corona. This session focuses on the opportunities brought by these new missions individually and by the possible synergies between the highly complementary instrumentation in space and on the ground made available by the heliophysics observatory as a whole. We also solicit contributions that present recent model and tool developments useful to accomplish such coordinated studies and/or that point to currently missing assets that should ideally be developed before missions are in operation.

Note that the deadline for abstract submission is 13:00 CET on the 10th January 2018, and the deadline for young scientist support is 1st December 2017.

Details on the different EGU sessions can be found at:

<https://meetingorganizer.copernicus.org/EGU2018/sessionprogramme/ST?cosession=5a1d4ec68e38b9-37704390-m#s27199>