From: Hui ZHANG, Qiugang ZONG, Gabor FACSKO, Arpad KIS (facsko.gabor@csfk.mta.hu)

European Geosciences Union General Assembly 2017 Vienna, Austria, 23 – 28 April 2017

Deadline for receipt of abstracts: 11 January 2017, 13:00 CET

ST2.4 Magnetospheric Response to Transient Solar Wind Phenomena
(http://meetingorganizer.copernicus.org/EGU2017/session/24855)

Convener: Hui ZHANG, Qiugang ZONG, Gabor FACSKO, Arpad KIS

The Earth's magnetosphere can be significantly affected by transient solar wind features (both intrinsic features such as structures in the solar wind and locally generated phenomena such as hot flow anomalies near the bow shock). Important energy transfer and transport will occur during the interaction of transient solar wind features with the Geospace system. Solar energy in various forms can propagate into the magnetosphere and ionosphere. Charged particle energy can be transformed to electromagnetic energy and vice versa. In-depth understanding of how the magnetosphere respond to transient solar wind features will enhance our knowledge on the solar wind - magnetosphere - ionosphere coupling.

This special session will provide a forum to present the latest results from in-situ spacecraft observations (e.g., NASA MMS, Van Ellen Probes, THEMIS, ESA Cluster, etc), ground-based observations (all-sky camera, radar, magnetometer), and global simulations. Coordinated multi-point observations are especially encouraged.

--
--- Sent from a Dell Latitude E6540 notebook

==========
Dr. Gabor FACSKO
Research Fellow
Hungarian Academy of Sciences,
Research Center for Astronomy and Earth Sciences,
Geodetic and Geophysical Institute
H-9401 Sopron, Csatkai utca 6-8, Hungary
phone: +36 99 508 341
email: facsko.gabor@csfk.mta.hu
homepage: http://www.ggki.hu/en/staff/researchers/facsko-gabor/
==========