Dear Colleague,

You are kindly invited to attend the session :

"ST-09 : Structures et dynamics of inner/outer frontiers of magnetized /unmagnetized planets"

As the solar wind interacts with the environment of a planet, different frontiers (internal/external) form through which intricated exchanges of energy and momenta take place. The features and the dynamics of these frontiers vary according to the magnetized/unmagnetized environment of the planet. These exchanges establish over quite different spatial and temporal scales via different processes. Different approaches are necessary from magnetohydrodynamics to kinetic treatments in order to identify these processes and to analyse their spatial/temporal impacts on the frontiers dynamics. The aim of this session is to focuss on advances obtained recently on these processes. Different frontiers will be considered such as the shock and foreshock areas, the magnetosheath, the magnetopause, the polar cusp, the plasma depletion layer, the nearby/far magnetotail, the plasma and neutral sheets, and the radiation belts. Multi satelites missions such as DOUBLE STAR, CLUSTER, THEMIS, MMS (for the terrestrial magnetosphere) and other missions as CASSINI, VENUS EXPRESS, KAGUYA (and more recently MAVEN) have provided a large coverage of informations on a wide range of spatial and temporal scales. Papers focussed on advances developped for preparing new challenging spacecrafts missions such BEPI-COLOMBO and JUICE are also very welcome. Moreover, particular interest will be given to the comparison of inner/outer frontiers of magnetized/unmagnetized planets (based both on mono- and multi-points measurements) and to related simulation works. All works based on experimental data analysis, theoretical models and numerical simulations are very welcome.

B. Lembège, H. Hasegawa, and G. Lakhina

at the forthcoming 13th AOGS meeting, 31 July-5 august 2016, Beijing (China) (http://www.asiaoceania.org/aogs2016)

NB: please note that the deadline for abstract submission is February 19th, 2016

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