



專題演講

Exciting time for geophysics

Speaker : **Dr. A. Dmitriev**

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Time : 106 年 4 月 14 日 星期五 14:00

Place : 健雄館(科四館) S4-811 教室

摘要/Abstract :

During 60 years of space era, a lot of experimental data and model representations were accumulated for the solar wind – magnetosphere – ionosphere coupling system. Most of that time corresponded to powerful solar cycles and relatively stable geomagnetic field. In contrast, the last 20 years are characterized by unusual solar and geophysical phenomena such as a decrease of the solar cyclical activity and acceleration in the secular variation of the geomagnetic field. During this period, moderate recurrent geomagnetic activity became prominent while strong transient magnetic storms were diminishing. Very unusual dynamics of the magnetosphere and ionosphere was found during major magnetic storms occurred in 2015 - 2016. The dynamics resulted mainly from anomalous expansion and equatorward displacement of the auroral precipitation region. The present time is exciting for geophysics because of numerous opportunities in exploration of the new phenomena with using large amount of modern ground-based and space-burn experiments.

※歡迎聽講※

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