Programme and Lecturers

W.D. González: Instituto de Pesquisas Espaciais, Sao Paulo, Brazil
N. Ganushkina: Finnish Meteorological Institute, Helsinki, Finland
G. Belmont: CETP/CNRS, Paris, France
R. Fear: University of Leicester, UK
A.T.Y. Lui: John Hopkins University, Appl. Phys. Lab., Laurel, USA
A. Vaivads: Swedish Institute of Space Physics, Uppsala, Sweden
I.A. Daglis: National Observatory of Athens, Greece
P. Francia: University of L’Aquila, Italy
G. Consolini: IFSI-INAF, Italy
E. Amata: IFSI-INAF, Italy
D. Southwood: Director of Science, ESA, Paris, France

Solar wind drivers
Solar wind parameters controlling magnetospheric dynamics
Plasma turbulence upstream the magnetosphere and penetration across the magnetopause
Spacecraft and ionospheric signatures of magnetopause reconnection
Storms and substorms
Reconnection at the magnetopause
Radiation belts and ring current
Geomagnetic pulsations
Complexity in magnetospheric dynamics
Space Weather forecasting
The magnetosphere of Saturn

The course will consist of general lectures, in the morning, and of practical sessions, in the afternoon, which will be devoted to the illustration of important analysis tools used in the treatment of satellite and ground based data. Moreover, specific oral and poster sessions will allow students to present and discuss their own scientific results.

The Director of the School: U. Villante
The Directors of the Course: E. Amata and P. Francia

Applications including a brief curriculum vitae are due before March 15, 2007. Some financial support will be available for a limited number of students. Applications will be evaluated by the Scientific Committee of the International School of Space Science, which will decide also on the financial support. Successful applicants will be notified by e-mail.