



Consorzio Interuniversitario  
per la Fisica Spaziale



# INTERNATIONAL SCHOOL OF SPACE SCIENCE

L'AQUILA - ITALY



SERSES (Series of Events on Relations in the Sun-Earth System and Space Weather)

## 2007 Course on: Magnetospheric Dynamics

L'Aquila, April 9 - 15, 2007



EPS Sponsored Conference

### Programme and Lecturers

W.D. Gonzalez	Instituto de Pesquisas Espaciais, Sao Paulo, Brazil	Solar wind drivers
N. Ganushkina	Finnish Meteorological Institute, Helsinki, Finland	Solar wind parameters controlling magnetospheric dynamics
G. Belmont	CETP/CNRS, Paris, France	Plasma turbulence upstream the magnetosphere and penetration across the magnetopause
R. Fear	University of Leicester, UK	Spacecraft and ionospheric signatures of magnetopause reconnection
A.T.Y. Lui	John Hopkins University, Appl. Phys. Lab., Laurel, USA	Storms and substorms
A. Vaivads	Swedish Institute of Space Physics, Uppsala, Sweden	Reconnection at the magnetopause
I.A. Daglis	National Observatory of Athens, Greece	Radiation belts and ring current
P. Francia	University of L'Aquila, Italy	Geomagnetic pulsations
G. Consolini	IFSI-INAF, Italy	Complexity in magnetospheric dynamics
E. Amata	IFSI-INAF, Italy	Space Weather forecasting
D. Southwood	Director of Science, ESA, Paris, France	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**

### General Information

The fee of 1000 Euro includes board and lodging at the TILS – “Campus Reiss Romoli”, a modern facility located in a nice park in the neighbourhoods of L'Aquila. Persons wishing to attend the course should apply to:

INTERNATIONAL SCHOOL OF SPACE SCIENCE  
c/o Dipartimento di Fisica – Università degli Studi dell'Aquila  
Via Vetoio, 67010 COPPITO - L'AQUILA (ITALY)  
Fax +39 0862 433033

E-mail: [SSC@AQUILA.INFN.IT](mailto:SSC@AQUILA.INFN.IT)

WEB: [WWW.CIFS-ISSS.ORG](http://WWW.CIFS-ISSS.ORG)

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.

E-MAIL ADDRESSES OF  
THE DIRECTORS OF THE COURSE

Ermanno Amata: [ermanno.amata@ifsi-roma.inaf.it](mailto:ermanno.amata@ifsi-roma.inaf.it)

Patrizia Francia: [patrizia.francia@aquila.infn.it](mailto:patrizia.francia@aquila.infn.it)

### SERSES Program

March 2006  
The Physics of the Sun: the Active Sun on your Active Desktop

September 2006  
Solar-Terrestrial Physics

**April 2007**  
**Magnetospheric Dynamics**

Fall 2007  
Turbulence and Waves in Space Plasmas

Spring 2008  
Geomagnetism and Ionosphere

Fall 2008  
Solar-Terrestrial Relations in Antarctica



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ESA – INAF – Università degli Studi dell'Aquila