



Consorzio Interuniversitario  
per la Fisica Spaziale



CONSORZIO  
AREA DI RICERCA IN  
ASTROGEOFISICA



# 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: Turbulence and Waves in Space Plasmas

L'Aquila, September 9 - 14, 2007



EPS Sponsored Conference

### Programme and Lecturers

S. Rifai Habbal	Institute for Astronomy, University of Hawaii, USA	Physics of the Innermost Heliosphere: Plasma Diagnostics and Models
E. Marsch	MPS, Katlenburg-Lindau, Germany	Kinetic Physics of the Solar Wind
W. H. Matthaeus	University of Delaware, USA	MHD Simulations and Models
A. Noullez	Observatoire de Nice, France	Statistical Tools for the Analysis of Nonlinear Phenomena
V. Carbone	University of Calabria, Italy	Turbulence and Intermittency
R. Bruno	IFSI-INAF, Italy	Observing MHD Turbulence in 3D Heliosphere
Z. Vörös	Space Research Institute, Graz, Austria	The Nature of Turbulence in the Earth's Plasma Sheet
B. J. Fraser	University of Newcastle, Australia	An Overview of Magnetospheric ULF Waves
R. L. Lysak	University of Minnesota, USA	Numerical Modelling of ULF Wave Propagation in the Magnetosphere
J. C. Samson	University of Alberta, Canada	Cavity/Waveguide Modes and MHD Instabilities in the Magnetosphere
I. R. Mann	University of Alberta, Canada	Wave-Particle Interaction in the Magnetosphere
K. Sauer	Max-Planck-Institut für Sonnensystemforschung, Germany	Nonlinear Coherent Structures in Space Plasmas
R. E. Denton	Dartmouth College, USA	Geomagnetic Field Line Resonances: Space Observations
M. Vellante	University of L'Aquila, Italy	Geomagnetic Field Line Resonances: Ground-Based Observations

The Director of the School **U. Villante**

The Directors of the Course **R. Bruno, V. Carbone, R.L. Lysak and M. Vellante**

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

Applications including a brief curriculum vitae are due before June 23, 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, who will decide also on the financial support. Successful applicants will be notified by e-mail.

### 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

**September 2007**  
**Turbulence and Waves in Space Plasmas**

Spring 2008  
Geomagnetism and Ionosphere

Fall 2008  
Solar-Terrestrial Relations in Antarctica



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