

# INTERNATIONAL SCHOOL OF SPACE SCIENCE

## Course on "Solar terrestrial physics from the polar regions"

L'Aquila (Italy), April 6 - 9, 2009

### Monday April 6th

#### Morning

09.00 - 10.00	Registration	
10.00 - 10.15	Welcome	Villante-Candidi
10.15 - 11.45	Recent solar missions	Moses
11.45 - 12.00	Discussion	
12.00 - 13.00	<b>Young scientist presentations:</b> "Analysis of storm time probabilities and particle flux enhancements" "Analysis of Sudden Impulses in Magnetosphere" "Climatology of the Ionospheric Scintillations over the Auroral and Cusp European Regions"	Mazzino Piersanti Spogli
13.00 - 15.00	Lunch	

#### Afternoon

15.00 - 16.30	Geoeffectivity of solar features	Denton
16.30 - 16.45	Discussion	
16.45 - 17.15	Coffee break	
17.15 - 18.15	<b>Young scientist presentations:</b> "Evaluation of the Cooling reconnection X-line at the Earth's magnetopause by comparison with Cluster and SuperDARN data" "Possible traces of solar activity effect on the surface air temperature of mid-latitudes" "Propagation of low frequency geomagnetic field pulsations in Antarctica"	Ambrosino Kilcik Lepidi

## Tuesday April 7th

### Morning

09.00 - 10.00	ULF waves at high latitudes	Francia
10.00 - 10.15	Discussion	
10.15 - 10.45	Coffee break	
10.45 - 11.45	SuperDARN in the two hemispheres	Amata
11.45 - 12.00	Discussion	
12.00 - 12.30	Remote sensing of the magnetospheric density by ULF waves	Vellante
13.00 - 15.00	Lunch	

### Afternoon

15.00 - 16.30	ELF/VLF studies of the ionosphere and the magnetosphere	Inan
16.30 - 16.45	Discussion	
16.45 - 17.15	Coffee break	
17.15 - 18.00	SCAR scientific programs	Candidi
18.00 - 18.30	Young scientist presentations	

## Wednesday April 8th

### Morning

09.00 - 10.30	The effects of energetic particles precipitation on the polar upper and middle atmosphere as observed by recent satellite instruments	Lopez-Puertas
10.30 - 10.45	Discussion	
10.45 - 11.15	Coffee break	
11.15 - 12.45	Earth currents and energy systems	Ostgaard
12.45 - 13.00	Discussion	
13.00 - 15.00	Lunch	

### Afternoon

#### Social excursion

## Thursday April 9th

### Morning

09.00 - 10.00	Monitoring and investigations of ionospheric irregularities using GPS signals	Alfonsi
10.00 - 10.15	Discussion	
10.15 - 10.45	Coffee break	
10.45 - 11.45	Ionospheric research in the polar regions and SCAR	De Franceschi
11.45 - 12.00	Discussion	
12.00 - 13.00	The ionosphere and tomographic imaging	Mitchell
13.00 - 15.00	Lunch	

### Afternoon

15.00 - 16.00	The CAWSES II - program of SCOSTEP	Rodger
16.00 - 16.15	Discussion	
16.15 - 16.45	Coffee break	
16.45 - 17.45	Magnetometer measurements of solar terrestrial influences	Meloni
17.45 - 18.00	Discussion	
18.00 - 18.10	Closing remarks	Villante-Candidi

## End of the School