

International School of Space Science (ISSS) - L'Aquila 2016 – Director Prof. U. Villante
(<http://www.cifs-iss.org/>)

“Ground based and space instruments for researches in Solar-Terrestrial physics”

Directors: F. Berrilli (UNITOV), S. Jefferies (GSU), C. Scotto (INGV)

6-10 June 2016

Location: Gran Sasso Space Institute – GSSI (<http://www.gssi.infn.it/>)

Final Program

Lesson 45 minutes (40 + 5 discussion)

Student's presentation 6 slides (included title) 7 minutes (5 + 2 discussion)

Monday, 6th

8:30-9:30 Registration

9:30-9:45 Opening Welcome (ISSS-School Director,)

9:45-10:30 Sun & Planets future space mission - E. Flamini

10:30-11:00 Coffee Break

11:00-11:40 Circumterrestrial space processes as observed by the Super Dual Auroral Radar Network (SuperDARN) F.M. Marcucci

11:40-12:20 Space storms and astroparticles - R. Sparvoli

12:20 – 12:30 Discussion

12:30-14:30 Lunch in Cafeteria

14:30-15:10 Next Generation Solar Telescopes (NGST) - H. S. Navarro

15:10-15:50 Spectropolarimetry with NGST - H. S. Navarro

15:50 – 16:00 Discussion

16:00-16:30 Coffee Break

16:30-17:10 Solar Wind: The Legacy of Helios and the promises of Solar Orbiter – R. D'Amicis

17:10-17:15 Discussion

17:10-18:45 Students Presentations (12)

Tuesday, 7th

9:00-9:40 SAFARI-CubeSat 1 - N. Murphy

9:40-10:20 SAFARI-CubeSat 2 - N. Murphy

10:20 – 10:30 Discussion

10:30-11:00 Coffee Break

11:00-11:40 Sun and heliosphere: What can we learn from the radio? - C. Briand

11:40-12:20 Solar Influences on Earth's Climate - C. Cagnazzo

12:20 – 12:30 Discussion

12:30-14:30 Lunch in Cafeteria

14:30-15:10 Magneto optical filters for probing the Suns' interior and atmosphere - S. Jefferies

15:10-15:50 The ionospheric irregularities: from the measurement to the phenomenon - L. Alfonsi

15:50 – 16:00 Discussion

16:00-16:30 Coffee Break

16:30-17:10 Estimation of TEC by GNSS observations (introduction) L. Ciralo

17:10-18:40 Estimation of TEC by GNSS observations exercises L. Ciralo

Wednesday, 8th – L'Aquila University – Physics Department

9:45-10:30 Spectro-polarimetric data: computer exercises (introduction) - D. Del Moro (first class)

9:45-10:30 Open discussion/seminars (second class)

10:30-11:00 Coffee Break

11:00-12:30 Spectro-polarimetric data: computer exercises - D. Del Moro (first class)

11:00-12:30 Open discussion/seminars (second class)

12:30-14:30 Lunch at the University Cafeteria

14:30-15:15 Spectro-polarimetric data: computer exercises (introducton) - D. Del Moro (second class)

14:30-15:15 Open discussion/seminars (first class)

15:15-16:45 Spectro-polarimetric data: computer exercises - D. Del Moro (second class)

15:15-16:45 Open discussion/seminars (first class)

16:45-17:15 Coffee Break

17:15-18:15 Open Discussion - Question Time

Thursday, 9th

9:00-9:40 On the geomagnetic field variations: from the measurements to their physical interpretation - P. De Michelis

9:40-10:20 Solar activity effects on the Earth's upper atmosphere: modeling the ionospheric storm time response to different solar wind drivers - I. Tsagouri 10:20 – 10:30 Discussion

10:30-11:00 Coffee Break

11:00-11:40 Causes, Effects and Models of Ionospheric Storms 1- L.R. Cander

11:40-12:20 Causes, Effects and Models of Ionospheric Storms 2- L.R. Cander

12:20 – 12:30 Discussion

12:30-14:30 Lunch in Cafeteria

14:30-16:40 Students Presentations (18)

16:40 Social Event (Visit to the city)

Friday, 10th

9:00-9:40 Synoptic Telescopes 1 - S. McIntosh

9:40-10:20 Synoptic Telescopes 2 - S. McIntosh

10:20 – 10:30 Discussion

10:30-11:00 Coffee Break

11:00-11:40 Space Weather Services - C. Albanese

11:40-12:30 Closing Remarks

12:30-14:30 Lunch in Cafeteria