International School of Space Science (ISSS) - L’Aquila 2016 – Director Prof. U. Villante
(http://www.cifs-issss.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. Ciraolo
17:10-18:40 Estimation of TEC by GNSS observations exercises L. Ciraolo

Wednesday, 8th – L’Aquila University – Physics Department
9:45-10:30 Spectro-polarimetric data: computer exercises (introducton) - 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 (introduction) - 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