



Programme of 1st "Thalis" school/workshop on "Space Weather"

February 25-27, 2013, Portaria, Pelion, Greece

Hellenic National Space Weather Research Network

The term "space weather" refers to conditions on the Sun and in the solar wind, Earth's magnetosphere, ionosphere, and thermosphere that can influence the performance, efficiency, and

reliability of space- and ground-based infrastructure and can endanger unprotected humans in space conditions or above the Earth's poles.

Monday, February 25, 2013

09:00-12:30	Arrivals
12:30-14:00	Lunch
14:00-15:30 [E]	M. Georgoulis: <i>Emergence and Evolution of Solar Active-Region Magnetic Fields</i>
15:30-16:15 [E]	K. Gontikakis: <i>Study of the Transition Region Using Spectral Lines</i>
16:15-17:45 [E]	A. Nindos: <i>The Magnetic Origins of Solar Eruptions</i>
17:45-18:30 [R]	PhD student/Post doc short presentations (Smyrli, Dimitrakoudis, Kouloumvakos)
18:30-19:00	Coffee break
19:00-20:00 [D]	Discussion (Coordinators: Georgoulis, Nindos)
20:00-21:00	Dinner
21:00-23:00 [G]	Small group discussions

Tuesday, February 26, 2013

09:00-10:30 [E]	S. Patsourakos: <i>The Genesis of CMEs</i>
10:30-11:00	Coffee break
11:00-12:30 [E]	L. Vlahos / A. Anastasiadis (45 min each): <i>Complexity and Magnetic Reconnection in Solar and Heliospheric Environments</i>
12:30-14:00	Lunch
14:00-15:30 [E]	K. Tsinganos / V. Archontis (45 min each): <i>MHD theory and MHD Numerical Codes / Modeling Magnetic Flux Emergence and Related Phenomena in the Solar Atmosphere</i>
15:30-17:00 [E]	A. Vourlidas: <i>CME Evolution in the Corona & Heliosphere</i>
17:00-17:30	Coffee break
17:30-18:00 [R]	PhD student/Post doc short presentations (Dimitropoulou, Podladchikova)

18:00-19:30 [D] Discussion (Coordinators: Vourlidas, Anastasiadis, Archontis, Patsourakos)

19:30-21:00 Dinner

21:00-23:00 [G] Small group discussions

Wednesday, February 27, 2013

09:00-10:30 [E] M. Sarris / G. Anagnostopoulos: *Energetic Particles in the Sun-Magnetosphere-Ionosphere-Atmosphere-Lithosphere-Technosphere Coupling*

10:30-11:00 Coffee break

11:00-12:30 [E] I. Daglis: *Waves, Particles and Storms in Geospace*

12:30-14:00 Lunch

14:00-15:00 [E] T. Sarris: *ULF Waves in the Magnetosphere: Excitation mechanisms, Structure, Spatial Distribution and their Role in Energetic Particle Populations*

15:00-15:45 [E] G. Balasis: *Simultaneous Observations of ULF Waves in the Earth's Magnetosphere, Topside Ionosphere and Surface*

15:45-16:30 [E] D. Sarafopoulos: *Ion Jets and Magnetic Flux Ropes in the Earth's Magnetotail*

16:30-17:00 Coffee break

17:00-18:45 [R] PhD student/Post doc short presentations (Metallinou, Bogiatzis, Iliopoulos, Athanasiou, Georgiou, Sponias, Papadimitriou)

18:45-20:15 [D] Discussion (Coordinators: Daglis, Sarris T., Anagnostopoulos, Sarafopoulos, Balasis)

20:15-21:15 Dinner

21:15-23:00 [G] Small group discussions

LEGEND

[E] Tutorial talks introducing the background necessary to follow the individual projects' description.

[R] Short (15-minute) presentations of the pre-doctoral and doctoral researches on their recent work.

[D] The coordinators of the individual projects will present the work planned for the National Space Weather Research Network.

[G] The groups meet after dinner (with a glass of beer or wine) to discuss their concrete plans.

Location: Portaria Hotel & Spa • <http://www.portariahotel.gr/index.php/el/>

<http://proteus.space.noa.gr/~hnswrn>