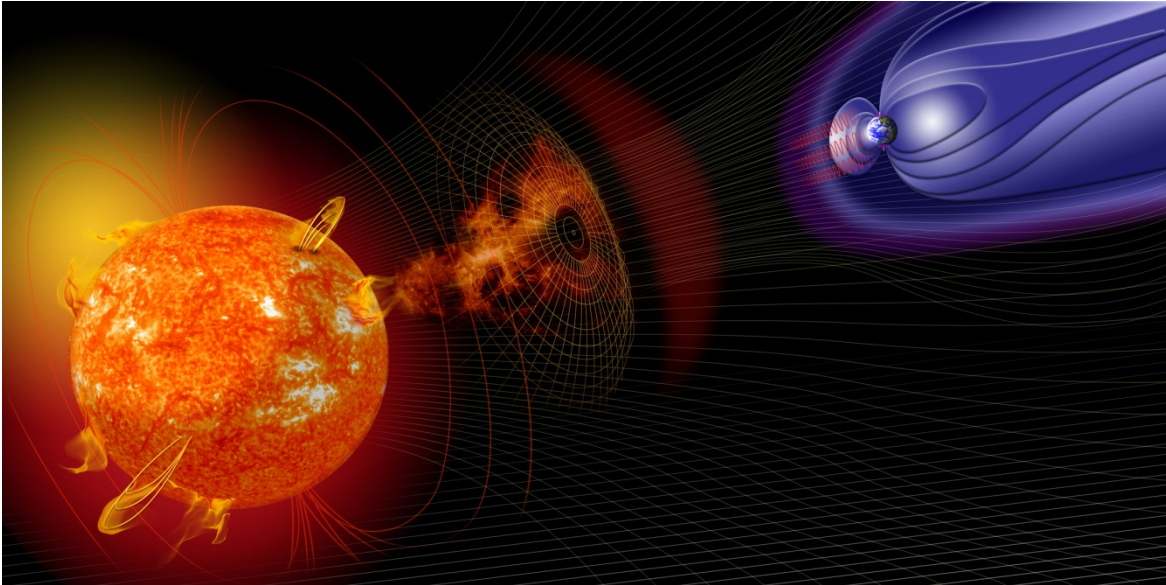


## The 1<sup>st</sup> Summer School of the Hellenic Astronomical Society



The 1<sup>st</sup> Summer School of the Hellenic Astronomical Society (Hel.A.S.) was organized in Athens from September 1 – 5, 2014. The School was organized in collaboration with the National Observatory of Athens (NOA) and the Research Center for Astronomy and Applied Mathematics (RCAAM) of the Academy of Athens in the framework of a recent HEL.A.S. initiative to offer cutting-edge information, knowledge, and scientific training to the Society's youngest members, namely graduate students and early postdoctoral researchers. The School's theme was "Physical Processes and Data Analysis in Heliophysics" and was attended by 23 graduate students and young postdocs.

Tutorials were delivered on the following topics:

- *Energetic Particles and Storms in Geospace*, by Prof. Ioannis A. Daglis (University of Athens, Greece)
- *Magnetic Reconnection in Solar, Space and Laboratory Plasmas*, by Dr. Klaus Galsgaard (Niels Bohr Institute, Denmark)
- *Particle Acceleration and Radiation Processes at the Sun*, by Dr. Eduard Kontar (University of Glasgow, UK)
- *Wave-Particle Interactions in Geospace*, by Prof. Ian R. Mann (University of Alberta, Canada)
- *Solar Observations from the Ground and from Space*, by Prof. Mihalis Mathioudakis (Queen's University of Belfast, UK)

- *Image Data Compression for the Proba-3 Coronagraph System*, by Prof. Antonios Paschalis (University of Athens, Greece)
- *Coronal Mass Ejections*, by Prof. Spiros Patsourakos (University of Ioannina, Greece)
- *Hellenic Participation in the ASPIICS Coronagraph for the ESA Proba-3 Mission*, by Prof. Kanaris Tsinganos (University of Athens, Greece)
- *Unresolved Problems in our Understanding of the Solar Activity*, by Prof. Loukas Vlahos (University of Thessaloniki, Greece)
- *Instrumentation for Space Missions*, by Dr. Angelos Vourlidas (Naval Research Laboratory, USA)
- *The ESA/NASA Solar Orbiter Mission*, by Dr. Yannis Zouganelis (ESA/ESAC, Spain)

In addition to the expert lectures, several practical, hands-on exercises were provided by tutors to the School attendees and were accomplished during the School.

The Scientific Organizing Committee (SOC) involved A. Anastasiadis (NOA, SOC Chair), I. A. Daglis (UoA), M. Georgoulis (RCAAM), S. Patsourakos (Uoi), K. Tsinganos (NOA-UoA), G. Tsiropoula (NOA) and L. Vlahos (AUTH).

The School received generous financial support from the National Observatory of Athens and the Academy of Athens, which allowed waiving the registration fee for all participants and covering part of the local expenses for the tutors. In addition, INFOREST Research O.C. provided temporary, fully functional Interactive Data Language (IDL) licenses that covered the needs of the practical exercises accomplished during the School.

The School's social program involved a tour at the historic NOA headquarters in Thissio, facing the Acropolis and Arios Pagos hills, and was followed by an outdoors conference dinner at NOA's garden grounds.

At the conclusion of the School the attendees were asked to anonymously comment on and grade the School and its deliberations. The overall assessment of the participants was that the School ranged between Very Good and Excellent.

The School's web site, complete with tutorials, exercises, and School photos can be found at <http://www.helas.gr/school/2014>.

On behalf of the SOC

Anastasios Anastasiadis (NOA)

Manolis Georgoulis (RCAAM)