

SCIENTIFIC PROGRAM

Monday, 1 October

09:00–10:00 – Participant Registration

10:00–10:30 – Opening Session

10:30–11:00 – Coffee Break and Poster viewing

Session 8 – Education, Dissemination, Outreach

11:00-12:00 – Ilia Roussev: Heliophysics: Anatomy of Solar Anger (invited lecture)

12:00-13:00 – Petra Vanlommel: Where communication and space weather meet (invited lecture)

13:00–14:30 – Lunch

14:30 – 15:30 – Remus Hanea: Data Assimilation and its applications (invited lecture)

15:30 – 15:45 – Elena Moise: Hawai'i Center for Advancing Systemic Heliophysics Education (HI CA\$HEd)

16:00–16:30 – Coffee Break and Poster viewing

16:30 – 17:30 – Ingolf Dammasch: Space weather data and services at ROB/SIDC (invited lecture)

17:30 – 18:30 – Elena Moise: Interstellar Neutral Atoms and Their Journey through the Heliosphere (invited lecture)

20:00 – Welcome Cocktail at „Petőfi Sándor“ Hungarian Cultural Centre

Tuesday, 2 October

Session 1: Solar magnetism as driver of the short- and long-term solar variability

9:30 – 10:00 – Marina Gigolashvili: Comparative Analysis of Variations of the Solar Spectral Irradiance in Connection to Solar Activity Cycles and Solar Magnetism (invited talk)

10:00 – 10:15 – Darejan Japaridze: Study of variations of rotation rates of H α filaments and compact magnetic features at the moment of polarity reversal of solar magnetic field

10:15 – 10:45 – Katya Georgieva: Solar dynamo theory – recent progress, questions and answers (invited talk)

10:45 – 11:00 – Mircea Rusu: The asymmetry of the solar cycle: Analysis of the cycle #24 forecast

11:00–11:30 – Coffee Break and Poster viewing

Session 3: High-energetic solar events (Flares, CMEs, SEPs)

11:30 – 12:00 – Ingolf Dammasch: Observation of flares with LYRA on PROBA2 (invited talk)

12:00 – 12:15 – Diana Besliu-Ionescu: Snuquakes and Moreton waves

12:15 – 12:30 – Atila Özgüç: Effects of Hysteresis between Maximum CME Speed Index and Geomagnetic

12:30–14:00 – Lunch

14:00 – 14:30 – Alessandro Bemporad: Observations of solar storms in the outer corona (invited talk)

14:30– 15:00 – Ilia Roussev: Global MHD Modeling of CMEs and Related Shock Waves Originating from Complex Active Regions (invited talk)

15:00–15:30 – Coffee Break and Poster viewing

15:30 – 16:30 – Diana Beşliu-Ionescu: Seismic Emission from Solar Flares (invited lecture)

16:30– 16:45 – Olga Malandraki: COMESEP Project: Space Weather Impact forecasting

Wednesday, 3 October

One day round trip – Bucharest surroundings

Thursday, 4 October

Session 2: Solar wind: sources and structures

9:30 – 10:15 – Marilena Mierla: Slow solar wind (invited lecture)
10:15 – 10:30 – Georgeta Maris Muntean: Specific features of the high-speed streams in the solar wind and geomagnetic storms during the last prolonged solar minimum

10:30–11:00 – Coffee Break and Poster viewing

Session 4: Heliosphere: its magnetic structure, ICMEs, Cosmic Rays

11:00–11:30 – Olga Malandraki: Heliophysical research in Greece: the space weather perspective (invited talk);
11:30–11:45 – Natela Kapanadze: Solar Spectral Irradiance Variability and its Possible Connection with the Cosmic Rays during the Decreasing Phases of the Solar Activity Cycle 23
11:45– 12:00 – Marilena Mierla: Empirical model for predicting the occurrence of major geomagnetic storms during SC23

12:00–14:30 – Lunch

Session 5: Magnetosphere variability under the solar & heliospheric forcing

14:30–15:00 – Crisan Demetrescu: On the climate of the solar-terrestrial space (invited talk)
15:00–15:15 – Oana Stere: The study of coronal mass ejections travel time to the Earth
15:15 – 15:45 – Constantin Oprea: Study of solar parameters causing major geomagnetic storms during SC 23

15:45–16:15 – Coffee Break and Poster viewing

FREE AFTERNOON

19:00 – Closing Dinner at Bistro Jaristea (Address: 5 Henri Coanda St., corner with Dacia Bvd.).

Friday, 5 October

Session 6 & Session 7

Ionosphere and its induced disturbances

Middle and lower atmosphere long-term variability / Climate change

9:30–10:30 – Mirela Voiculescu: Ionospheric perturbations induced by interplanetary and solar forcing (invited lecture)

10:30–11:00 – Katya Georgieva: Solar influences on climate (invited talk)

11:00–11:30 – Coffee Break and Poster viewing

11:30–12:00 – Venera Dobrica: Long term solar and geomagnetic activity. Consequences on the terrestrial climate at regional scale (invited talk)

12:00–12:30 – Marilena Mierla: Conference Summary

12:30–14:00 – Lunch

POSTER LIST:

Yana Asenovska, Simeon Asenovski: High speed solar wind stream influence on the magnetosphere of the Earth – Session 2.

Simona Bota-Condurache: Assessing the relationship between clouds and the interplanetary magnetic field – Session 7

Boian Kirov: Solar magnetic field and geomagnetic activity –Session 1

Razvan Greculeasa: Sources of the geomagnetic activity at local scale. Case study - European geomagnetic observatories – Session 5

Daniela Adriana Lăcătuș: Studies of CMEs causing geomagnetic storms in the period 2007-2011 – Session 3

Alin Razvan Paraschiv: Internal characteristics of magnetic clouds at 1 AU – Session 3

Mihai Pomeran: Cyberdyn: a State-of-the-Art Supercomputing Facility at the Institute of Geodynamics of the Romanian Academy – Session 8

Lucian Sfâcă: Internal and external climate factors influencing temperatures anomalies in the Northern Hemisphere – Session 7

Mykola Shevchuk: Properties of decameter type IIIb bursts – Session 3

Cristiana Ștefan: The evolution of the Earth's magnetic moment in the last 400 years. Consequences on the magnetopause standoff distance – Session 5