



## CONTRIBUTIONS

### TOPICAL DISCUSSION MEETINGS

- **The SAWS-ASPECS tool: A Web-based Tool for Forecasting Solar Particle Events and Flares**  
*Anastasios Anastasiadis, Athanasios Papaioannou, Rami Vainio, Angels Aran, Miikka Paassilta, Ingmar Sandber, Antonis Tsigkano, Sigiava Aminimalragia-Giamini, Evagelos Paouris, George Vasalos, Mark Dierckxsens, Piers Jiggins*
- **ESA SSA Space Weather Services for users in the Mediterranean region**  
*Ioannis Daglis, Anastasios Anastasiadis, Georgios Balasis, Anna Belehaki, Stelios Bollanos, Christos Katsavrias, Athanasios Papaioannou*

### ORAL PRESENTATIONS

#### Session 8: Radiation Environments

- **What will the intensity-time profiles of SEP events look like? An answer from the ESA's SAWS-ASPECS project**  
*Angels Aran, Rami Vainio, Miikka Paassilta, Osku Raukunen, Athanasios Papaioannou, Anastasios Anastasiadis, Sigiava Aminimalragia-Giamini, Piers Jiggins*

#### Session 13: Machine Learning and statistical inference techniques applied to space weather

- **A machine learning approach for automated ULF wave recognition**  
*Georgios Balasis, Sigiava Aminimalragia-Giamini, Constantinos Papadimitriou, Ioannis A. Daglis, Anastasios Anastasiadis, Roger Haagmans*

#### Session 16: Novel approaches for space weather forecasting

- **The Probabilistic Solar Particle Event forecasting (PROSPER) Model**  
*Athanasios Papaioannou, Rami Vainio, Osku Raukunen, Anastasios Anastasiadis, Angels Aran, Miikka Paassilta, Sotirios A.Mallios, Piers Jiggins*

Session 14: Achievements in Magnetosphere - Ionosphere – Thermosphere coupling during geomagnetic storms and magnetospheric substorms

- **Investigating dynamical complexity at Swarm altitudes using information-theoretic measures**

*Georgios Balasis, Constantinos Papadimitriou, Adamantia-Zoe Boutsis, Omiros Giannakis, Anastasios Anastasiadis, Ioannis A. Daglis, Paola De Michelis, Giuseppe Consolini*

**POSTER PRESENTATIONS**

Session 5: Solar Corona and Heliosphere

- **Bayesian analysis of flaring probabilities using the effective connected magnetic field strength**

*Evangelos Paouris, Athanasios Papaioannou, Anastasios Anastasiadis, Manolis K. Georgoulis, Ioannis Kontogiannis, Piers Jiggins*

Session 8: Radiation Environments

- **Experimentally obtained time-intensity profiles of high energy protons in solar energetic particle events**

*Miikka Paassilta, Rami Vainio, Osku Raukunen, Athanasios Papaioannou, Anastasios Anastasiadis, Angels Aran, Ingmar Sandberg*