
Evangelos Paouris, Ph.D.

Postdoctoral Research Fellow
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Experience:

- Solar and Space Physics.
- Space Weather researcher and expert in empirical modeling and forecasting methodology of Coronal Mass Ejections (CME) propagation to Earth.
- Study of CMEs and their interplanetary counterparts (ICMEs) and relation with Space Weather effects such as Geomagnetic Storms and Solar Radiation Storms.
- Cosmic Rays (CRs) of Galactic (GCRs) and Solar origin, modulation of GCR using solar and interplanetary variables.

Education:

- PhD in Physics, *May 2013 – May 2017*
National and Kapodistrian University of Athens, Faculty of Physics
Thesis Title: "Space Weather Monitoring: Modulation of Cosmic Ray Intensity due to Large Interplanetary Coronal Mass Ejections"
- MSc in Astrophysics, *Oct 2010 – Mar 2013*
National and Kapodistrian University of Athens, Faculty of Physics

Employment:

- *March 2018 – February 2022*: Postdoctoral Researcher at the National Observatory of Athens.
- *May 2017 – February 2022*: Research Associate and Space Weather Forecaster of the Cosmic Ray Group, Faculty of Physics, National and Kapodistrian University of Athens.

Awards:

- *January 2020 – January 2022*: State Scholarships Foundation (IKY)
Reinforcement of Postdoctoral Researchers – 2nd Cycle (MIS-5033021)

Professional Activity:

- Responsible for tasks and/or work packages in eight scientific research projects of the European Space Agency since 2013.
- Reviewer for scientific journals (*Space Weather, Solar Physics, Astrophysical Journal, American Astronomical Society*).

Highlight Publications:

1. **Paouris, E., & Vourlidas, A.** (2022). Time-of-arrival of coronal mass ejections: A two-phase kinematics approach based on heliospheric imaging observations. *Space Weather*, 20, e2022SW003070. DOI: <https://doi.org/10.1029/2022SW003070>.
2. **Paouris, E., Čalogović, J., Dumbović, M., Mays, M. L., Vourlidas, A., Papaioannou, A., ... & Balasis, G.** (2021). Propagating Conditions and the Time of ICME Arrival: A Comparison of the Effective Acceleration Model with ENLIL and DBEM Models. *Solar Physics*, 296(1), 1-16. DOI: 10.1007/s11207-020-01747-4
3. **Paouris, E., Vourlidas, A., Papaioannou, A., & Anastasiadis, A.** (2021). Assessing the Projection Correction of Coronal Mass Ejection Speeds on Time-of-Arrival Prediction Performance Using the Effective Acceleration Model. *Space Weather*, 19(2), e2020SW002617. DOI: 10.1029/2020SW002617
4. **Paouris, E., et al.** (2021). Statistical analysis on the current capability to predict the Ap Geomagnetic Index." *New Astronomy* 86, 101570. DOI: 10.1016/j.newast.2021.101570
5. **Paouris, E.** and Mavromichalaki, H. (2017). Effective Acceleration Model for the arrival time of interplanetary shocks driven by coronal mass ejections. *Solar Physics*, vol. 292: 180. DOI: 10.1007/s11207-017-1212-2.
6. **Paouris, E., Mavromichalaki, H.** (2017). Interplanetary Coronal Mass Ejections Resulting from Earth-Directed CMEs Using SOHO and ACE Combined Data During Solar Cycle 23. *Solar Physics*, vol. 292: 30. DOI: 10.1007/s11207-017-1050-2.