

# Special Issue

## Space Weather and Space Climate of Our Solar System

### Message from the Guest Editors

Dear Colleague, The solar wind is a continuous stream of high-energy charged particles emitted from the Sun that is highly variable in geometric form and intensity. Space weather and space climate research aims to understand the dynamic evolution of the solar wind across space and time and its impact on the Earth and other planetary systems. This issue welcomes theoretical, observational, and simulation/modeling studies related to space weather and space climate on all spatial and temporal scales, including solar-wind dynamics, coronal mass ejections, evolution of planetary magnetic fields, solar-terrestrial interactions, the open-closed magnetic field boundary and magnetic reconnection, magnetic storms and substorms, ionospheric disturbances and scintillation, electric current systems in the ionosphere, forecasting and mitigation of the effects of space weather disruption to technological systems both in space and at Earth's surface, and constraints on space weather risk derived from both ground- and space-based observational systems. Multidisciplinary studies are particularly encouraged.

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### Guest Editors

Dr. Fiona Simpson

Prof. Dr. Karsten Bahr

Dr. Giuseppe Consolini

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### Deadline for manuscript submissions

closed (26 November 2021)



## Universe

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## About the Journal

### Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,  
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