

COSPAR Space Weather Roadmap 2022 – Achievements and Future Goals

Scientific research papers are invited for a special topical issue of *Advances in Space Research* (ASR) entitled “**COSPAR Space Weather Roadmap 2022 – Achievements and Future Goals**”

The COSPAR Panel on Space Weather is initiating a program to update the COSPAR Roadmap on Space Weather (Schrijver *et al.*, Understanding Space Weather to Shield Society: A Global Road Map for 2015-2025 commissioned by COSPAR and ILWS” *Advances in Space Research*, Volume 55, Issue 12, 2745, 2015). This special issue of ASR will present the second part of an updated Roadmap for Space Weather building upon the recommendations presented in the first Space Weather Roadmap and recent advances in both research and applications, some of which may be in the companion issue “COSPAR Space Weather Roadmap 2022: Scientific Research and Applications”. Many of the topics are identified in the International Space Weather Action Team Document which is available at:

<https://docs.google.com/document/d/1ysVYfTsdgZaCGipaOKsY7Sv-AZHphPwAh-qVDSZWCo/edit?usp=sharing>

Four distinct pathways for future avenues to benefit the Space Weather Community have been identified as follows:

- Geomagnetic Induced Currents
- Communications/Navigation/Radio Propagation
- Neutrals and Satellite Drag
- Radiation Environment

Other appropriate topics include the following:

- Monitoring needs for the future
- Improvements for customized Space Weather Forecasting
- National and International programs and collaborative efforts

Papers must be submitted electronically to <https://www.editorialmanager.com/AISR> to ensure that all manuscripts are correctly identified for inclusion into the special issue, authors must select “**Special Issue: COSPAR SW Roadmap 2022**” when they reach the "Article Type" step in the submission process. Submitted papers must be written in English and should include full affiliation postal addresses for all authors. The general format for submission of papers can be found on the ASR Elsevier web site at

http://www.elsevier.com/wps/find/journaldescription.cws_home/644/authorinstructions

Only full-length papers will be considered for publication, subject to peer review by a minimum of two reviewers. There are no page limits although the length of the paper should be appropriate for the material being presented. While the deadline for submissions is **30 June 2022**, papers will be published electronically as soon as they are accepted. The printed issue will be assembled within a reasonable time with late papers being printed in regular issues of ASR. All articles will be typeset at no cost to the author; there is a charge for printing color figures; there is no charge for color figures on the electronic version.

Dr. Mario M. Bisi (Mario.Bisi@stfc.ac.uk) and **Dr. Maria (Masha) M. Kuznetsova** (maria.m.kuznetsova@nasa.gov) are the Guest Editors for this special issue. Questions can be directed to Drs. Bisi and Kuznetsova or to the Co-Editor for Special Issues, Dr. Peggy Ann Shea (ssrc@msn.com).