Announcement of a Special Issue of Advances in Space Research on

**Recent Results on Solar and Heliospheric Phenomena Affecting Earth**

Papers are invited for a special topical issue of Advances in Space Research (ASR) entitled "Recent Results on Solar and Heliospheric Phenomena Affecting Earth"

This special issue in Advances in Space Research is to highlight the latest developments concerning the impact of solar and heliospheric phenomena on our planetary system and, in particular, Earth. This issue focuses on the phenomena that modulate the space environment where our Sun has influence, encompassing from their origin in the solar atmosphere, through their evolution in the interplanetary medium, to their arrival in geospace. Advanced understanding of the drivers of this complex and coupled system is essential to improve predictability of space weather in the heliosphere. The variety of new international heliospheric space missions together with increasingly realistic numerical simulations constitute promising advances to improve forecasting of solar/heliospheric impacts on Earth's environment. Among the specific topics that are appropriate for this special issue are recent results and analyses on phenomena and structures that determine the state of the heliospheric environment. Predictive models and their applications are also appropriate. Note that this issue concentrates on solar and heliospheric phenomena. Papers on space weather effects in the magnetosphere and/or ionosphere should be submitted to the special issue on "Magnetosphere, ionosphere and their connection to Space Weather".

Papers must be submitted electronically to http://ees.elsevier.com/asr. To ensure that all manuscripts are correctly identified for inclusion into the special issue, **authors must select "Special Issue: SOL-HEL Phenomena - Earth"** when they reach the "Article Type" step in the submission process.

Submitted papers must be written in English and they should include full affiliation addresses for all authors. Only full-length papers will be considered for publication, subject to peer review by 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 31 March 2019**, 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. Contributors to this issue will have an opportunity to purchase individual issues once the issue is finalized. All articles will be typeset at no cost to the author; there is a nominal charge for printing color figures although there is no charge for color figures on the electronic version.

Dr. Cristina H. Mandrini (mandrini@iafe.uba.ar) and Dr. Hebe Cremades (hebe.cremades@frm.utn.edu.ar) are the Guest Editors for this special issue. Questions can be directed to Drs. Mandrini and Cremades or to the Co-Editor for Special Issues, Dr. Peggy Ann Shea (sssrc@msn.com).

The general format for submission of papers can be found on the ASR Elsevier web site at http://www.journals.elsevier.com/advances-in-space-research/