

Scientific and Fundamental Aspects of GNSS

Papers are invited for a special topical issue of *Advances in Space Research* (ASR) entitled **“Scientific and Fundamental Aspects of GNSS”**

Created for defence and commercial applications, global navigation satellite systems (GNSS) impact today on a variety of activities and contribute to the progress of science. This Special Issue intends to review the various possibilities to use GNSS for scientific purposes. We call for contributions to address five major areas of research:

- Scientific applications in Earth and space sciences;
- Scientific developments in physics with a potential impact on future GNSS, particularly in testing fundamental laws of physics;
- Aspects of metrology such as reference frames, on board and ground clocks, precise orbit determination and file and frequency transfer;
- Scientific aspects of satellite navigation, positioning and their applications;
- Transversal topics of interest to a wide number of scientific fields.

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: GNSS Science”** when they reach the "Article Type" step in the submission process.

Submitted papers must be written in English and they should include full affiliation postal addresses for all authors. 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 **31 January 2020**, 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 although there is no charge for color figures on the electronic version.

Dr. Elisa Felicitas Arias (felicitas.arias@obspm.fr) and Dr. Roberto Prieto Cerdeira (Roberto.Prieto.Cerdeira@esa.int) are the Guest Editors for this special issue. Questions can be directed to Dr. Arias, Dr. Cerdeira 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/>