Announcement of a Special Issue of *Advances in Space Research* on

High-resolution Space-borne Radio Astronomy

Papers are invited for a special topical issue of *Advances in Space Research* (ASR) entitled *"High-resolution Space-Borne Radio Astronomy*".

Very Long Baseline Interferometry (VLBI) is a radio astronomy technique offering record-high angular resolution across the entire electromagnetic spectrum. Its space-borne modification with at least one radio telescope based in space pushes the limits of angular resolution even further. The special issue will present a collection of papers covering the past, present and future of high-resolution radio astronomy employing the Space VLBI (SVLBI) technique. The aim of this issue is to address a broad variety of scientific applications ranging from cosmology to extragalactic and galactic astrophysics to stellar, solar and planetary studies as well as experiments in fundamental physics (e.g. black hole shadow phenomena). Papers addressing relevant technologies in a wide context of wavelength coverage (from kilometers to sub-millimeters), orbital configurations (from Low-Earth orbit to the Sun-Earth Lagrange point L2 and beyond) and other engineering issues are solicited too.

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: Space VLBI"** 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 **15 December 2018**, 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.

Prof. Leonid Gurvits (lgurvits@jive.eu) is the Guest Editor for this special issue. Questions can be directed to Prof. Gurvits 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/