

## Call for Papers: Special Issue of Earth, Planets and Space (EPS) “International Reference Ionosphere (IRI)”

This special issue of Earth, Planets and Space will be devoted to results of the 2009 URSI/COSPAR Workshop on the International Reference Ionosphere (IRI). The International Reference Ionosphere (IRI) was established in 1968 jointly by the Committee on Space Research (COSPAR) and the International Union of Radio Science (URSI). The IRI is an observation-based standard model of the ionosphere that is widely used to mitigate the significant affects the ionosphere has on the performance of communication and global positioning systems. The improvement of the IRI representation of ionospheric parameters, such as electron density, electron temperature, ion composition and ion temperatures, and total electron content (TEC), will be the focus of this special issue. Contributions will include comparisons of IRI with other models and satellite/ground observations. In addition, other general contributions related to regional modeling of the ionosphere, ionosphere/atmosphere/geosphere coupling studies for improvement of IRI, traveling ionospheric disturbance, storm-time ionosphere, ion drift, spread  $F$ , and plasmasphere are encouraged.

All submitted papers go through a peer review process, wherein experts review, recommend changes, or reject the paper for publishing. Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Papers must be submitted to the EPS editorial office. Electronic submissions by e-mail to [eps@terrapub.co.jp](mailto:eps@terrapub.co.jp) are encouraged, but authors who meet any difficulties with electronic submissions could submit a hard copy by post. For details, please visit the following web page:

<http://www.terrapub.co.jp/journals/EPS/>, and click on “Instruction for Contributors”.

The cover letter should mention “Submitted to the Special Issue: International Reference Ionosphere”. After papers are accepted, the authors will receive instructions for the final manuscript from the editorial office. The deadline for manuscript submissions is 31 May 2010. This special issue is expected to be published in 2010.

For more information on this special issue, please contact one of the guest editors; questions on manuscript preparation should be addressed to the EPS editorial office.

Note: EPS accepts manuscripts of original research contributions only; so-called “review papers” will not be accepted.

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