

INFORMATION FOR AUTHORS

Subject Matter: The IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING (hereafter referred to as TGARS) is a monthly publication for theoretical and applied papers on geoscience and remote sensing. Papers should relate to the theory, concepts, and techniques of science and engineering as applied to sensing the earth, oceans, atmosphere, and space, and the processing, interpretation, and dissemination of this information. The technical content of papers must be both new and significant. Experimental data must be complete and include sufficient description of experimental apparatus, methods, and relevant experimental conditions.

Submitting Papers: Authors are required to submit electronically using the website <http://mc.manuscriptcentral.com/grs>. Instructions for creating new user accounts, if necessary, are available on the login screen. No other manners of submission are being accepted. For questions concerning the process, or for assistance with the submission, please write to tgrs-editor@ieee.org, or by fax to +1-732-562-0545.

Style: TGARS is addressed to readers with a wide variety of interests. The author should refrain from using terminology that may not be familiar to readers and carefully explain terminology that is used. In addition, the author should provide brief introductory remarks and references that will permit the reader to relate the paper to other work in the author's field of specialty. Clarity of both writing and illustrations is required. TGARS is published only in English, and the use of correct English is required of all authors. Thus, contributors for whom English is not a native language should have their papers edited for style, form, grammar, and spelling suitable for publication prior to submittal to TGARS. Papers should be accompanied by brief biographies and clear glossy photographs of the authors.

Submission of a manuscript is assurance that it has not been copyrighted, published, or accepted for publication elsewhere; that it is not currently being considered for publication elsewhere; and that it will not be submitted elsewhere while under consideration by TGARS, unless the author states otherwise.

References and Figure Captions: Begin references on a separate sheet of paper. They must be double-spaced. References must be in IEEE style, which is as follows:

Papers: J. K. Author, "Title of paper," *Title of Journal*, vol. *n*, no. *n*, pp. *nnn-nnn*, month, year.

Books: J. K. Author, *Title of Book*. Location of Publisher: Name of Publisher, ch. 1, pp. *nnn-nnn*

Follow the same guidelines for figure captions. Do not include captions on the illustrations. Captions are set in type separately. Figure captions should be sufficiently clear so that the figures can be understood without detailed reference to the accompanying text. Axes of graphs should have self-explanatory labels, not just symbols (e.g., Electric Field rather than E).

Illustrations and Tables: Submit original illustrations. All line drawings (graphs, charts, diagrams, etc.) should be prepared in black on a white background. Lettering should be large enough to be readily legible when the drawing is reduced from the original by as much as 4:1, to a two- or one-column width. All materials, including drawings and photographs, should be no larger than 22 × 28 cm (8 1/2 × 11 in). Tables are not typeset and should be treated as illustrations. All photographs and gray scale images must be glossy prints with no screens.

Page Numbers: Number *all* pages, including illustrations (which should be grouped at the end), in a single series with no omitted numbers. Identify figures by number and author's name. Use a soft pencil when identifying photographs and keep the information in the margin of the figures.

Review Process: Papers are usually reviewed by at least three qualified referees. A decision is made on the disposition of a manuscript, and the author is notified of the decision.

Communications and Letters to the Editor: Communications will only be considered for special issues. All regular Communications should be submitted for review to IEEE GEOSCIENCE AND REMOTE SENSING LETTERS (GRSL) by going to <http://grs.ieee.manuscriptcentral.com/> and choosing "Geoscience and Remote Sensing Letters" from the drop-down menu. For more information, please write to tgrs-l@ieee.org. Very brief contributions, letters to the editor, and comments on, or corrections to, a published paper can still be submitted to TGRS, and may be reviewed only by an Editor.

Page Charges and Color Figures: A mandatory *Excessive Paper Length* charge of \$200.00 per page (beginning with page 7 and beyond) is required for papers in excess of six (6) printed pages. The author will be notified of the estimated paper length upon receipt of the original manuscript. The author will be requested, conditional upon favorable technical review, to pay an optional sustaining page charge of \$110 per printed page to cover the cost of publication of the first six pages and will receive 100 reprints of the paper if this charge is honored. There will also be mandatory charges for color figures. Authors are encouraged to seek institutional support for all page costs. Authors who cannot pay mandatory charges will be required to reduce their manuscripts to six printed pages or less prior to final acceptance and scheduling for publication. This reduction will occur after technical review of the manuscript. The above policy has no relationship to requests by the Editor to reduce very long manuscripts prior to technical review.

Copyright: It is the policy of the IEEE to own the copyright to the technical contributions it publishes on behalf of the interests of the IEEE, its authors, and their employers, and to facilitate the appropriate reuse of this material by others. To comply with the U.S. Copyright Law, authors are required to submit an IEEE copyright transfer form before publication. TGRS has moved to an all-electronic copyright system. The form can be found in the corresponding author's Manuscript Central author center after the paper has been accepted. It should be completed by clicking the "Copyright Submission" button next to the title of the accepted paper. A copy of the form can also be found in the January issue. It returns to the authors and their employers full rights to reuse their material for their own purposes.

Manuscript Submittal Checklist: Number *all* pages of a manuscript in a single series with no omitted numbers; edit manuscript for correct English usage; provide complete mailing address, telephone, and FAX numbers of corresponding author (include country and city codes); brief biography and photo for each author.

The IEEE will accept: 1) any IBM-PC (or 100% compatible) disk format: 5.25 in/360 Kbytes/1.2 Mbytes—3.5 in/720 Kbytes/1.44 Mbytes (DS/DD, DS/HQ, DS/QC, etc.); 2) Macintosh disk format (low and high density); 3) 0.25-in magnetic tape cartridges (UNIX: tar, bar, dump); 4) 3.5-in floppy disk (UNIX: tar, bar, dump); 8-mm tape cartridges (UNIX: tar, bar, dump). If in doubt, do not hesitate to inquire using help@ep.ieee.org.

While the list of processing programs acceptable to IEEE electronic production is almost endless, there are preferred programs that enable the preservation of the greatest amounts of information. TeX and LaTeX are preferred. An IEEE LaTeX style file, *IEEEtrans.sty*, is obtainable by authors who e-mail a request to help@ep.ieee.org. The following points are important to remember when submitting electronic manuscripts in TeX and LaTeX. 1) Include all macros (.def) that are required to produce your document. 2) IEEE Transactions style dictates a 21-pica (3.5-in) column width. If mathematical phrases are produced with this in mind, they are apt to appear aesthetically pleasing in the final version. It is suggested that authors keep user-defined macros to a minimum. Two copies of the manuscript of the final version of the accepted paper must accompany the electronically formatted version.