

# INFORMATION FOR AUTHORS

The IEEE TRANSACTIONS ON POWER ELECTRONICS is published bimonthly in January, March, May, July, September and November. Its scope includes new results in the field of power electronics. For example, papers that treat original component, device, module, circuit, control, system, or application issues are of interest. Papers that do not show sufficient overlap with interest in the power electronics field (a few examples are device physics, component manufacturing technologies, and circuit theory) should be submitted to other IEEE TRANSACTIONS that cover these fields. Authors should pay particular attention to documenting their work in relationship to the known literature. Papers of a historical or tutorial nature within the scope of this publication will also be considered.

**Manuscript types:** Three types of manuscripts are accepted.

- **Regular papers:** Typically eight pages in final length.
- **Letters:** Four or fewer pages in final form, intended for rapid processing. Typical contributions should focus on a specific, original contribution, with sufficient literature review, analysis, and results to establish clearly its merit and potential value. Clarity is especially important in short papers. Contributions likely to stimulate additional ideas or unusual lines of thought for electronic power conversion are of special interest. Rapid publication is achieved for Letter Papers by means of efficient review and reduced cycles of revision.
- **Correspondence:** These normally address corrections to published papers or substantive technical discussion of papers. They are limited to two pages in final form.

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## Guidelines for Submitting a Paper for Review

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The IEEE Power Electronics Society employs *Manuscript Central*, a professional web-based manuscript submission and peer-review tracking system. Authors **must submit manuscripts electronically** (as .pdf or .ps files) to <http://mc.manuscriptcentral.com/tpeel-ieee>. From this entry page, access can be obtained to all information required for the submission of a manuscript. Please note that **first-time users must create a new account**. All authors are responsible for understanding these guidelines before submitting a manuscript for consideration. A help system is available on the web site, including telephone contacts.

Papers in the two-column single-spaced format common for conference publication are not acceptable, as this form is difficult for reviewers. The paper should be prepared based on one side of letter-size paper (either 8.5" x 11" or A4 sizes), and should be in single-column double-spaced format. The paper should include all figures, tables, captions, and references. Author biographies, photos, and copyright form are not required for the initial submission. Please use standard fonts such as Times Roman (serif), Helvetica (sans serif), and Symbol. Unusual fonts may create incompatibilities that delay processing. It is the authors' responsibility to make sure the submitted files (in PDF or .ps format) are fully viewable and in the intended format.

The first page should contain the paper title, full first and last names of all authors (do not use an initial for the first name), and author organizational affiliation. Paper titles should avoid extraneous words such as "new" or "novel" that have limited search value. The corresponding author must be indicated clearly, along with the corresponding author's title, name, postal address, voice telephone number, fax telephone number, and e-mail address. The first page should indicate whether or not the paper has been presented at a conference or submitted elsewhere previously, and if so should specify the conference name, dates, and location. The first page should also contain an abstract of not more than 200 words. The abstract should not only indicate the subject and scope of the paper but should summarize, if possible, the authors' conclusion, so that the abstract itself may be a useful document in an information-retrieval system. The authors should provide a list of up to five keywords for indexing purposes. Begin the main text of the paper on the second page.

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For readability in the review process, figures and tables may be interspersed in the text of the submitted manuscript and be accompanied by captions. Authors should avoid using color in the manuscript unless the resulting graphics are fully legible and clear in monochrome reproduction. The final manuscript can include color content only if the authors intend to use and pay for color pages in the final paper as required by IEEE (see below).

An effective literature review is essential to any submission. Inadequate references are grounds for rejection. References should be indicated using numbers in square brackets (e.g. [1], [2], and [3]), should be in a separate section at the end of the paper, and should be in IEEE style:

- **Style for conference publications:** Authors (first initials followed by last name), title of paper, in title of conference, date of conference, and page numbers (inclusive). Example: A. B. Researcher and I. N. Elper, "Loss-based analysis of switching converters under closed-loop controls," in *Proc. IEEE Applied Power Electronics Conf.*, 2010, pp. 3917-3926.
- **Style for periodical journal publications:** Authors (first initials followed by last name), title of paper, title of periodical, volume, page numbers (inclusive), month and year. Example: C. D. Aodiet, R. G. Gue, and P. R. Phakter, "The Ran-Duga method for ac-ac converter operation," *IEEE Trans. Power Electronics*, vol. 37, pp. 7721-7727, October 2014.
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Authors should attempt to limit paper length so that, should it be accepted for publication in the TRANSACTIONS, the final result is eight pages or fewer in length for regular papers and three pages or fewer for letter papers. Longer papers are subject to mandatory overlength page charges, as discussed below. The submission of papers in a series (Part I, Part II, etc.) on the same subject is normally discouraged as a matter of policy. In such cases the authors may be asked to consolidate the work into a single submission.

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Papers indicated by authors as "Letters" submissions are considered through an expedited review process by a special team of associate editors. The objective is to provide the quickest possible route to publication for short, focused papers on topics of current interest. The process is accelerated because only short manuscripts are considered and because a publication decision is made after the first set of reviews become available. Authors who wish to have a publication considered this way should limit the manuscript to nine double-spaced pages in addition to the title page described above. Please indicate on the title page that the paper is to be considered for Letters. The Power Electronics Society continues to actively support and encourage submissions of this type as a way to reduce publication time.

### Page Charges

In final format, for regular papers, pages nine and above will incur an excess page charge, currently \$162 per page. For letter papers, pages five and above will incur this page charge. After the final paper has been submitted, the PELS Editor will estimate the length of the final paper using the formula given above, and will notify the author of the potential for excess page charges. Authors must commit to paying excess page charges before the paper is sent to the IEEE for publication. While failure to pay mandatory page charges in a timely fashion will not prevent publication of the subject paper, the PELS Editor reserves the right to refuse subsequent paper submissions from authors who are in arrears on mandatory page charges.

### Checklist and Guidelines for Submitting a Final Paper for Publication

*Information provided below is current as of 1 January 2006. Only after notification of acceptance will these materials be required.*

#### Guidelines for submitting a Final Paper for Publication

After a paper has been accepted for publication the authors will be notified by the PELS Editor. When corrections for format and other information are completed, the original single-column, double-space electronic version of the paper (Font: Times New Roman preferred, size no less than 10 point, no larger than 12 point) along with electronic files for the illustrations, will be forwarded to IEEE for final formatting. Authors should not prepare camera-ready copy. The final paper for publication should include a complete mailing address for every author and should indicate whether each author is an IEEE member.

The text of the paper will be electronically typeset by the IEEE. Figures and tables should be stored in separate files, one per illustration. These should be of the highest quality: sharp, noise free, and of good contrast, in a format suitable for final publication. In most cases, the illustrations should not be in the form of scans of printed versions or in the form of preview or display-type versions converted by various types of software. Figures consisting of photographs should be in an original digital format if possible; if a scan is essential, the resolution must be at least 300 pixels per inch. **The final preferred format for all figures is TIFF.** If figures are larger than one column (3.5 in or 8.9 cm), please indicate the desired final 1 or 2-column-width span (maximum is 7 1/16 in or 17.8 cm). Use lettering on figures only where necessary. All lettering on figures must be exactly 8 points (super- and subscripts are proportionately smaller) in the final printed size. Authors may use color in figures, but these should be tested for good quality when reproduced on a monochrome printer. If the final printed version is intended to use color figures, there will be an extra basic charge of \$1,045.00 (depending on the number of figures) plus an additional \$125.00 for each color figure.

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- 1) Submit the text of the paper in the native electronic format of the word processing software used to create it. The final manuscript will be re-converted from the original, not from the review .pdf copy. The operating system and word processing software used to produce the paper should be noted (e.g., Windows/Microsoft Word). The formats with best support are Microsoft Word (versions 95 and later) and LaTeX. If a compressed or segmented file is sent, be sure to indicate the method of compression (e.g., ".zip," ".sit"). Please do not include extraneous files.
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- 6) All the files above should be compressed in (e.g., ".zip," ".sit," "stuffit") and sent by email to

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