

General Information for Authors

The IEEE Transactions on Industrial Informatics is a research journal which publishes quality papers reporting on new and significant contributions to the state of knowledge in the technical areas specified in the journal's publication scope, with the reported results of a tangible nature and implications for practical applications.

All submissions must clearly indicate a novelty of the contribution, its significance, and a need for such a work. The presented work must be put in the perspective of the work of others. In order to avoid ambiguity in the material presentation, a scientific notation appropriate for the technical area covered should be employed as far as practical without obscuring the presentation clarity by the formalism used. Results obtained by simulation must be validated in bounds by analytical techniques. Simulation results are subject to a statistical evaluation. The description of simulation experiments must be detailed enough to include assumptions and any other relevant information for a reader or reviewer to be able to potentially replicate such an experiment, if required. Results obtained by measurements on a prototype or an actual system are subject to a statistical evaluation, if relevant, and validation using simulation or/and analytical techniques.

In addition to the research papers, the journal publishes material of the survey and tutorial nature. The survey papers are expected to present a cross section of the area under treatment, or focus on a specific topic. The research and results of a tangible nature as reported in the literature are to be critically evaluated; conclusions provided; emerging trends identified.

To further improve the editorial practices, the review process will be streamlined to ensure the majority of authors receive the editorial decision within 90 days from the submission date.

Papers out of scope of the IEEE Transactions on Industrial Informatics will be returned to the authors by the Editor in Chief office. The prospective authors are requested to consult the technical scope of the journal posted on the main page.

Papers already published elsewhere (conference or journal) will not be accepted for publication, and returned to the authors if identified as such at the initial prescreening stage prior to the review process. Edited and substantially enhanced versions of conference papers with 40-50% of a new content may be considered for a review if the new material is of a novel nature and warrants publication. Such papers have to include the original conference paper(s) as a reference and may be required to have a different title.

Manuscript Types

Two types of manuscript are accepted:

- **Regular Papers** - four to eight journal pages
- **Correspondence** - three or less pages
- **Invited the state-of-the- papers** - with adequate justification the EIC may increase the page limit to 12

Manuscripts submitted for consideration should report on new results and previously unpublished material. Authors should pay particular attention to documenting their work in relationship to the known literature in scope of industrial informatics, especially recent papers from the top journals.

Manuscript Style

Manuscript authors are expected to meet the highest standards of writing quality and adhere to the following guidelines:

1. Use a clear, easy-to-follow outline.
2. Use first-order, second-order, and third-order headings to assist the reader in following the presentation.
3. Write in the third person. (DO NOT USE FIRST PERSON!)
4. Define all acronyms on first use.

References

They should appear in a separate section at the end of the paper. References should be contemporary, relevant, and essential. Citations in text are indicated by Arabic superscripts at the end of the author(s) name(s), numbered according to the order of citation. A referenced paper should contain all authors' names, title of the papers, name of the publication, volume and number, month and year of publication, and inclusive page numbers. A referenced book should list author name(s), title of the book, publisher, place of publication, year of publication, and specific chapters or pages cited. For example:

1. L. Watson and J. Gurd, "A Practical Dataflow," *IEEE Transactions on Industrial Electronics*, Vol. 15, No. 2, Feb. 1982, pp. 51-57.
- J.M. Holland, K.C. Tai, and M.L. Van Name, "An Adaptive Database Interface Using Abstract Data Types," *Proc. Compsac 81*, IEEE Computer Society Press, Los Alamitos, Calif., 1981, pp. 163-170.
- D.P. Siewiorek, C.G. Bell, and A. Newell, *Computer Structures: Principles and Examples*, McGraw-Hill, New York, 1982, pp. 459-469.

In general, references should be publicly available, such as papers in standard journals and open conference proceedings. Avoid using internal technical reports and theses unless they are easily accessible.

Bios

Manuscripts accepted for publication should be accompanied by a brief biographical sketch (about 100 words). Biographical information should be stated in the following order: current position, prior significant professional experience, technical interests, education, awards and important activities, and professional affiliations. Photos should accompany each author's biography

Manuscript Submission for Review

Manuscript submission format is the standard two columns IEEE format. The special format will be needed only for the final versions of the accepted manuscripts. Names of authors and their affiliation should be removed from the manuscripts for the review process in order to have a fair evaluation of their manuscript. Authors' names and their contact information which are provided to the electronics system will not be visible to reviewers.

The Industrial Electronics Society is now employing a web-based manuscript submission and peer review tracking system called Manuscript Central. Authors must submit their manuscript electronically on the web to <http://mc.manuscriptcentral.com/tii>. From this entry page, access can be obtained to all information required for the submission of a manuscript. The main page of the site contains icons entitled "Create a New Account" and "Instructions and Forms". These two icons should be activated during the first entry to the site. Activation of the "Create a New Account" icon provides information about how to gain site access after a manuscript has been submitted. The "Instructions and Forms" icon opens a page that presents new icons. An icon entitled "Submission Instruction" provides an overview of the submission process which indicates that the submission process requires that manuscripts be submitted as a PDF document. Each page of Manuscript Central contains a "Get Support Now" button that can be activated if difficulty is encountered during the submission process.

Manuscript sent in the PDF format should meet the IEEE requirements. For more detailed information please see [Simplified Requirements for Creating PDF Documents](#)

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LATEX Template

For PC and Mac, use: [IEEEtran.zip](#) LaTeX2e Transactions style file and [IEEEtranBST.zip](#) bibliography style file.
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Illustrations and Photos

All illustrations must be cited in text and have numbers and captions. Graphs should show only the coordinate axes (or at most the major grid lines) to avoid a dense, hard-to-read illustration. The illustration should be readable at two columns' width (114mm or 4.5 inches). Submit photocopies for the initial manuscript review. Original illustrations should be submitted with the final accepted version. If you have screen shots, please submit them in electronic format (.EPS, Sun PS, TIFF, .PCX, MacPaint, Pict, Windows .BMP, or GEM.IMG). Color photographs should be submitted as slides or transparencies or as TIFF files. Black-and-white prints should be glossy, have good contrast, and measure at least 7*10 cm (3 by 5 inches). Color illustrations will usually be reproduced in black and white unless author(s) agrees to pay an extra charge (depending on the number of figures) starting from US\$ 1045.

Membership status

Please indicate in your cover letter whether you are a member of: 1) IEEE, 2) Industrial Electronics Society, or 3) neither of the above.

Review Process

During review process no direct communications between authors and Associate Editors are allowed. All inquires should be sending through the EIC office. When such direct communication occurs then the EIC should appoint another Associate Editor for the manuscript.

The review process includes six steps:

1. When a manuscript is received on Manuscript Central, the Editor-in-Chief (EIC) is automatically notified by electronic mail.
2. The EIC check for proper format and the scope and assigns the manuscript to a subject-matter Associate Editor (AE) that will be responsible for conducting the peer review of the manuscript.
3. The AE then selects a minimum of three subject-matter experts to review the manuscript and AE initiates the review process.
4. Upon completion of manuscript review, each reviewer completes two detailed evaluations - one for the editorial leadership and one for the author(s).
5. When all reviews are completed, the AE collects review comments, coordinates the comments, drafts a recommendation based upon reviewer recommendations and personal evaluation of the manuscript, and forwards the recommendation to the EIC for the final editorial decision.
6. EIC may randomly assign additional reviewers to manuscripts whose identity may not be known to the Associate Editor
7. The EIC reviews the recommendation along with reviewer comments, arrives at a final decision, and notifies the Corresponding Author (the author that submitted the manuscript for review) of the results of the review.

Manuscript Decisions

Manuscript evaluations are assigned one of four outcomes: Accept, Minor Revisions, Major Revisions, Reject and Resubmit, and Reject. Clearly, the review process results in an extremely low percentage of submitted manuscripts receiving an "Accept" evaluation on the first review. Most manuscripts require revision! Manuscripts requiring "Minor Revision" may or may not require a second review. The nature of the required revision(s) will be the determining factor. All manuscripts receiving a "Major Revision" evaluation must be subjected to a second review. Where possible, the same AE and reviewers will be used to accomplish the second review to ensure consistency between the initial review and the second review. Rejected manuscripts are given no further consideration.

Normally, manuscripts that receive a "Major Revision" decision has only one additional chance for revision. If the author(s) failed to make satisfactory changes in the manuscript, the manuscript is rejected. Only in extremely rare cases is a manuscript allowed to receive a third review.

Page Charges

Page Charges

After a paper has been accepted, the author's organization will be requested to pay \$ 110 per printed page to cover part of the publication cost. The page charges are not obligatory nor is their payment a prerequisite for publication. The author will receive 100 reprints without covers if the page charge is honored. Detailed guidelines on page charges will accompany the galley proofs from IEEE.

Mandatory Overlength Page Charges

The regular paper page length limit is defined as 8 formatted Transactions pages, including illustrations, references and author(s) biographies. Pages nine and above are **charged US\$160 per page and payment is a prerequisite for publication.** (For the invited papers the EIC may increase this limit to 12 pages). Authors will be notified of any assessed charges when galley proofs are sent for review. However, authors are urged to take it into account when submitting and revising their paper.

Submission Policy and Copyright

All manuscripts submitted for publication should be original. Manuscripts published or under consideration for publication elsewhere will not be considered. Manuscripts published in conference proceedings with limited circulation may be considered for publication in IEEE Transactions on Industrial Electronics if they are exceptionally important or contain substantial new results.

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Closing Comment

Authors should remember that, with the exception of the Journal Administrator, all members of the Editorial Board are volunteers having employment making significant time demands. Service activities for IEEE must, by nature, not be a first priority. Therefore, authors should understand this if the time period between submission and decision is longer than desired.