

T-BME publishes basic and applied papers dealing with biomedical engineering. Papers range from engineering development in methods and techniques with biomedical applications to experimental and clinical investigations with engineering contributions.

Readers are encouraged to submit manuscripts as regular papers or communications. To qualify for publication, these must be previously unpublished and not be under consideration elsewhere. Unlike previous procedures, the manuscript will be evaluated under the category it has been submitted (e.g., a regular paper will be accepted or rejected, but not moved during the review from regular paper to communication). The Editor-in-Chief and the Associate Editor in charge will perform a quick review of the manuscript not only to propose a change in category but also to evaluate the manuscript in terms of novelty, quality and appropriateness and reject the manuscript if obvious pitfalls exist. Manuscripts will be accepted ONLY in electronic format through ScholarOne Manuscripts (<http://mc.manuscriptcentral.com/embs-ieee>), where you can find instructions to create an account and electronically submit your manuscript. Further information is available at the journal website (<http://tbme.embs.org>) and the EMBS website (<http://www.embs.org>). Do not send original submissions or revisions directly to the Editor-in-Chief or Associate Editors. If you are unable to submit your contribution electronically, please contact the TBME office at office@tbme.embs.org.

The articles in this journal are peer reviewed in accordance with the requirements set forth in the IEEE PSPB Operations Manual (sections 8.2.1.C & 8.2.2.A). Each published article was reviewed by a minimum of two independent reviewers using a single-blind peer review process, where the identities of the reviewers are not known to the authors, but the reviewers know the identities of the authors. Articles will be screened for plagiarism before acceptance. Corresponding authors from low-income countries are eligible for waived or reduced open access APCs.

MANUSCRIPT/COMMUNICATION STYLE. For purposes of qualifying for peer review and consideration for publication, authors must submit a properly executed copyright form in favor of IEEE, sign an Author consent form, agree to a mandatory page charge for overlength manuscripts or color figures, and prepare a manuscript according to the following guidelines:

- 1) The manuscript should be formatted in double column, single spaced IEEE format. A template is available at http://www.ieee.org/publications_standards/publications/authors/index.html
- 2) The manuscript, properly formatted, is limited to ten pages for regular papers and four pages for Letters. Communications are no longer accepted for review, but are limited to five pages in the exceptional circumstances when published.
- 3) The abstract must be no more than 200 words for regular papers (50 words for communications or Letters).
- 4) References should appear in a separate reference section at the end of this paper with items referred to by numerals in square brackets. References must be complete in the IEEE style as follows: Style for papers: Author(s), first initials followed by last name, title, periodical, volume, inclusive page numbers, month, year. Style for books: Author(s), title, location, publisher, year, chapter, page numbers. You can find an electronic style file for references at <http://www.ieee.org/organizations/pubs/transactions/stylesheets.htm>
- 5) Beginning with the January 2018 issue, TBME will no longer include biographies or author photographs.
- 6) Once the paper is accepted, submission is done on-line through ScholarOne Manuscripts using the interface established for the manuscript during the review process.
- 7) As part of the regular submission process authors will have opportunity to submit an IEEE formatted file for early electronic publication under IEEE *Xplore*. It will be replaced with the fully edited, final publication as it becomes available.

PEER REVIEW PROCESS. With electronic submission of manuscripts and reviews the EMB society expects to reduce the time from submission to publication, and make the review process more transparent to the author by allowing electronic status checks of the review progress. Please read the Peer Review Process of the TBME at <http://tbme.embs.org> or of the EMBS at <http://www.embs.org> to find out about the calendar and details of the review. The IEEE and EMBS have regulations regarding sanctions against authors who have plagiarized work or are discovered to have made duplicate submissions to other journals.

AUTHOR NAMES IN NATIVE LANGUAGES. IEEE supports the publication of Chinese, Japanese, and Korean (CJK) author names in the native language alongside the English versions of the names in the author list of an article. For more information, please visit the IEEE the IEEE Author Digital Tool Box at the following URL: http://www.ieee.org/publications_standards/publications/authors/auth_names_native_lang.pdf.

English language editing services can help refine the language of your article and reduce the risk of rejection without review. IEEE authors are eligible for discounts at local language editing services; visit the IEEE Author Center to learn more. Please note these services are fee-based and do not guarantee acceptance.

GRAPHICAL ABSTRACT. This journal accepts graphical abstracts and they must be peer reviewed. For more information about graphical abstracts and their specifications, please visit the following link: http://www.ieee.org/publications_standards/publications/graphical_abstract.pdf.

COPYRIGHT. By policy, IEEE owns 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 United States copyright law, authors are required to sign and submit a completed IEEE Copyright Form with their original submissions and again with the finalized manuscript prior to publication. This form, a copy of which appears in issues of the transactions, returns to authors and their employers full rights to reuse their material for their own purposes. See also <http://www.ieee.org/about/documentation/copyright/cfrmlink.htm> to obtain an electronic version of the copyright form. IEEE complies with NIH Public Access Policy http://www.ieee.org/web/publications/rights/IEEE_Position_on_NIH_Policy.xml.

OPEN ACCESS. This publication is a hybrid journal, allowing either Traditional manuscript submission or Open Access (author-pays OA) manuscript submission. Upon submission, if you choose to have your manuscript be an Open Access article, you commit to pay the \$2,045 OA fee if your manuscript is accepted for publication in order to enable unrestricted public access. Any other application charges, such as overlength page charge, will be billed separately once the manuscript formatting is complete but prior to the publication. If you would like your manuscript to be a Traditional submission, your article will be available to qualified subscribers and purchasers via IEEE *Xplore*. No OA payment is required for Traditional submission.

PAGE CHARGES. Communications that exceed three (3) pages, Letters that exceed four (4) pages, and Review papers that exceed ten (10) pages incur mandatory page charges. Regular papers that exceed eight pages will incur mandatory overlength page charges. For papers that are 8 pages or fewer: only voluntary page charges (\$110/page); 9-10 pages: mandatory page charges (\$250/page for pages 9 and 10; 11 pages and beyond: (\$350/page).

MANDATORY PAGE CHARGES. The author(s) or his/her/their company or institution will be billed for all pages according to the Page Charge policy. For regular papers, the rate for pages 9 and 10 is \$250 per page, and the rate for page 11 and beyond is \$350 per page. Payment of these charges is not negotiable or voluntary. Further, submission by the author of his/her manuscript to this publication signifies acceptance of the requirement to pay mandatory pages charges. The Publisher holds the right to withhold publication of the current submission or any future submissions from the author(s) if this charge is not honored. To avoid incurring mandatory page charges, the author(s) are strongly advised to practice economy in the original manuscript submission and restraint in preparation of the final manuscript following peer review.

FINAL SUBMISSION. Authors are requested to submit finalized manuscripts using the style files established by IEEE. Please consult the full guidelines in the website <http://www.embs.org>. When submitting your finalized manuscript, it must be accompanied by three complete, paper copies of your manuscript that exactly match your electronic files.

ORCID REQUIRED. All IEEE journals require an Open Researcher and Contributor ID (ORCID) for all authors. To create an ORCID, please visit: <https://orcid.org/register>. The author will need a registered ORCID in order to submit a manuscript or review a proof in this journal.

For more information contact the Editor-in-Chief at editor@tbme.embs.org.