Title of Publication

IEEE Transactions on Technology and Society

(Abbreviated *IEEE-TTS*)

Frequency of Publication

IEEE Transactions on Technology and Society is a quarterly online only publication. The publication accepts submissions on a rolling basis. The Transactions publishes annually in March, June, September and December. The first issue will appear in March 2020.

Scope

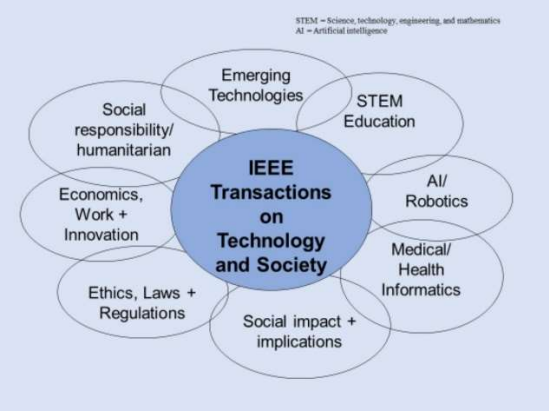
The *IEEE Transactions on Technology and Society* publishes research papers on the interactions among technology, science, and society; on the impact of such interactions on individuals and society; and on the ethical, professional and social responsibility in the practice of science, technology, engineering and mathematics. The publication also provides a forum for open discussion of resulting issues.

Topic Coverage

More generally, *IEEE Transactions on Technology and Society* publishes to complement the technological areas within the field of interest (FOI) of the IEEE Society on Social Implications of Technology (SSIT). Its FOI involves understanding the interaction between technology, science, and society, its impact on individuals and society, professional and social responsibility in the practice of STEM, and open discussion of the resulting issues. Within this scope, the Transactions covers a broad range of topics in such areas as energy, information and communication, health and safety, life sciences, economic issues, engineering education, environmental implications, and social effects of emerging technologies and innovations. It also addresses issues surrounding professional practice and responsibility, regulation and public policy, technology and the future of work, philosophy of technology, engineering and biotechnical ethics, and sustainability.

The Transactions communicates to a wide array of readers from multiple disciplines involved in the societal impact of technology. It is multidisciplinary with joint perspectives from individuals such as engineers, scientists, technologists, ethicists, public policy experts, lawyers, health practitioners, economists, sociologists and anthropologists. It offers technical in-depth papers of original work as well as review, survey, and tutorial papers targeted at technically knowledgeable readers who are not necessarily specialists in the subjects being treated. Emphasis is on high quality research and empirical studies, applications and technological issues, and theoretical arguments supported by evidence or proof.

Supporting Graphic



Unique Contribution

Authors publishing in these Transactions would apply existing theoretical frameworks in new ways, develop new theoretical and methodological approaches to studying the interplay of technology and society, or use innovative data collection techniques from qualitative and quantitative realms to provide strong empirical evidence.

Traditional IEEE transaction/journal publications focus on specific technical areas indigenous to a specific IEEE society or organizational unit. However, the scope of SSIT transcends most if not all technical areas. The cross-cutting theme of “technology and society” is a universally understood theme that encompasses the societal aspects of all engineering and technology disciplines as well as interests within IEEE.

This publication appeals to both IEEE and non-IEEE members and constituencies because of its multi-, inter- and trans-disciplinary focus. Authors publishing in the Transactions could present new theoretical and methodological approaches to the interplay of technology and society. They could also present innovative data collection techniques from qualitative and quantitative realms as empirical evidence for their theses. Hence, a technology and society transactions-level publication would provide a dynamic new home within IEEE to publish and communicate in-depth, high quality, multidisciplinary research in the technology and society space.

IEEE SSIT expects the Transactions to become IEEE’s premiere technology and society (T&S) research publication appealing to IEEE members and related global communities.

Information for Authors

Article Submission Types

There are 4 article submission types for *IEEE Transactions on Technology and Society*. These include:

(1) Original Research (regular) - 10 pages
(2) Original Research (short) - 6 pages
(3) Original Research (brief) - 2 pages
(4) Original Research (invited) - 10 pages

Each one of these article types are now described in more detail.

Original Research- Regular: An article that using the IEEE transactions template may be up to 10 pages, inclusive of content, references, acknowledgements, biographies, images and tables.

Note: Authors can write up to an additional 10 pages but will incur a page charge of $200 per page, beginning with page number 11 and ending with page number 20 as a maximum total. Authors may wish to pay a voluntary page charge of $110 to support the Transactions.

Original Research- Short: An article that using the IEEE Transactions template may be up to 6 pages, inclusive of content, references, acknowledgements, biographies, images and tables.

Note: Authors can write up to an additional 4 pages but will incur a page charge of $200 per page, beginning with page number 7 and ending with page number 10 as a maximum total. Authors may wish to pay a voluntary page charge of $110 to support the Transactions.

Original Research- Brief: An article that using the IEEE Transactions template may be up to 2 pages, inclusive of content, references, acknowledgements, biographies, images and tables.

Note: Authors can write up to an additional 2 pages but will incur a page charge of $200 per page, beginning with page number 3 and ending with page number 4 as a maximum total. Authors may wish to pay a voluntary page charge of $110 to support the Transactions.

Original Research- Invited: An article that using the IEEE Transactions template may be up to 10 pages, inclusive of content, references, acknowledgements, biographies, images and tables.

Note: Authors can write up to an additional 10 pages but will incur a page charge of $200 per page, beginning with page number 11 and ending with page number 20 as a maximum total. Authors may wish to pay a voluntary page charge of $110 to support the Transactions.

Original Research– Open Access

An open access paper is a peer reviewed paper that may be original research of type: "Regular", “Short”, “Brief” or “Invited”. Authors will only be able to designate their paper as an “open access” at the point that FINAL FILES are received at the IEEE Author Gateway in Manuscript Central. Open access MUST be stipulated, if that is what the authors desire, prior to the final proofing stage. The open access fee is $2000 US dollars and is a “per article” fee.

Template

The following template should be used in submitting new articles. The publication does *not* accept LATEX documents for the Transactions. Please submit all work in .DOC format. The IEEE referencing format MUST BE used in all article submissions.

General Information

Please visit IEEE's Author Center for general information.

Paper Submission Portal

Please visit IEEE's Scholar's One manuscript submission system.

Sponsoring Societies

The *IEEE Transactions on Technology and Society* will be an Electronic (IEEE Xplore Delivery) only publication. No print copies will be produced. The sponsoring societies include:

- IEEE Society on the Social Implications of Technology

Technical co-sponsorship societies include:

- IEEE Robotics and Automation Society

The *Transactions on Technology and Society* is 100% financially sponsored by the IEEE Society on Social Implications of Technology.

Impact Factor and Indexing

The *IEEE Transactions on Technology and Society* will be eligible for an impact factor in 2023, as it usually takes about three years for adjudication by relevant bodies. Given the multidisciplinary nature of the Transactions, the IEEE SSIT community anticipates it will achieve indexing in as many credible databases as possible. It also expects to reach out to its local communities to have the Transactions listed as "counting" towards promotion or national ranking schemes. Please reach out to the Editor-in-Chief for support to have the Transactions listed in authors' respective localities, before it achieves an impact factor status.

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IEEE-TTS Editorial Board

The manuscript submission system known as Manuscript Central encapsulates the end-to-end workflow between the editor-in-chief, the co-editors, the associate editors, and reviewers. All actions of individuals in this workflow are auditable. For example, the system archives all correspondence between reviewers and associate editors as well as advice from co-editors/editor-in-chief regarding acceptance, revision, or rejection of a manuscript.

Manuscripts submitted to the Manuscript Central portal undergo some basic desk review to establish whether the manuscript meets requirements. If the manuscript is out of scope, poorly written, or does not adhere to the IEEE referencing schema, the administrator (i.e., one of the co-editors) will notify the author(s).

The editorial board provides expert advice on content. The breadth of technology and society spans across the five pillars of IEEE SSIT, consisting of sustainable development; ethics/human values; universal access; societal impacts; and protecting the planet. The editor-in-chief deliberately identified subject matter experts who are also able to attract new authors and encourage submissions via their immediate networks.

IEEE-TTS Publications Board

The publication board serves as an at-large editorial advisory board. Each member of this board is an expert in matters pertaining to technology and society and has had heavy engagement with editorial boards in the past. The publication board will be establishing guidelines for the submission of manuscripts and identifying the types of papers (i.e., short, brief, regular, invited) authors can submit. The publication board will also become active in inviting targeted authors to submit seminal work to the Transactions.

IEEE-TTS Steering Committee

The role of the steering committee is to provide support, guidance and oversight on the progress of the Transactions. Members of the steering committee do not have day-to-day involvement in running tasks of the Transactions. However, members will be critical in providing strategic direction for the publication. The steering committee oversees the progress in the reaching of the main vision and mission of the Transactions. The steering committee also facilitates global collaboration among participants, including the editorial board at large, the publications board, as well as other members and non-members of IEEE SSIT.

The steering committee will have formal semiannual teleconference meetings and will also engage in ad hoc brainstorming sessions using collaborative tools. Members of the steering committee will attract paper submissions through their own respective channels and networks, but more importantly, they will steer the Transactions toward critical areas of concern that require addressing in the domain of technology and society of the day.