

Information for Authors

The IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I: REGULAR PAPERS (TCAS-I) publishes regular papers in areas of relevance to the IEEE Circuits and Systems Society, namely the theory, analysis, design, and practical implementation of circuits, and the application of circuit techniques to systems and signal processing. The topics of interest covered include:

- Analog, Digital and Mixed Signal Circuits and Systems.
- Nonlinear Circuits and Systems.
- Circuits and Systems for Communications.
- Power Electronics and Systems.
- Software for Analog and Digital Circuits and Systems.
- Control aspects of Circuits and Systems.

The technical content of submitted papers is expected to have a clear connection to the general theme of circuits and systems. For areas which may contain subjects at the borderline with the domain of competence of other IEEE Societies, such as *Communications*, *Control*, and *Signal Processing* it is expected that papers submitted to TCAS-I will focus on the impact that a particular signal processing or communications algorithm or control theoretical result, may have on the design/implementation/performance of the corresponding circuit or system. Similarly, for papers which belong to the category *Power Electronics and Systems*, TCAS-I should only receive papers which clearly exploit circuit theoretic methodologies in their analysis/design or present significant results in the integrated circuit implementation. Papers not following these recommendations may be immediately returned to the authors.

Submitted papers are expected to contain new results, ideas, or innovations that advance significantly the state-of-the-art. Authors submitting a paper undertake that the same paper has not been submitted, accepted, published, or copyrighted elsewhere.

The following guidelines provide further information for authors regarding submitting papers.

Manuscript Length: Papers submitted to TCAS-I are expected to be typically of 9-11 pages and no more than 14 pages in length in the two-column IEEE Transactions format (see further information below). This page limit is to be strictly followed. Please note that short papers whose technical content, not including biographies, is typically less than 6 pages should be submitted (after any appropriate reformatting) to the sister journal, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II: EXPRESS BRIEFS (TCAS-II).

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1. Go to <https://mc.manuscriptcentral.com/tcas1>
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3. Embed and properly reference all figures and tables in the manuscript. Where possible, use vector graphics rather than pixel graphics for figures.
4. If appropriate, provide an "Acknowledgments" section after the conclusion. All personal financial and other interests by the authors must be acknowledged.
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