



Guidelines for Submitting Articles

Scientific Computing welcomes articles describing developments, techniques and applications of computer technology in science. We invite articles on the broad range of technology including – but not limited to – informatics, data analysis, chemistry, chromatography, data acquisition, HPC, image analysis, LIMS, mathematics, modeling/simulation, data management, spectroscopy, statistical analysis and visualization.

Articles should address technology as it is being used in the lab or the field, and what results the technology is producing. We strongly recommend that authors submit an abstract proposal to the editors before completing a manuscript. Manuscripts are reviewed with the understanding that they have not been published previously and are not under consideration for publication elsewhere. Authors are responsible for all statements made in their work. All manuscripts are subject to peer review and copyediting. *Scientific Computing* is not interested in a commercial endorsement of a specific product or company.

In general, our articles fall into four basic categories:

Technical Application articles are typically 1200-1500 words long and describe new applications, improved methods or results, or advances in techniques or instrumentation that lead to increased efficiency. They should generally adhere to the following format:

1. Introduction that describes the laboratory or workplace environment.
2. Review of the "problem" faced.
3. Review of the alternative solutions considered and approaches used to arrive at a specific solution.
4. Technical description of the solution chosen and the results achieved.
(This should represent a major portion of the article and should be as detailed as possible.)
5. Appropriate conclusions and view to the future.

Industry Insights are 800-1500 words long and focus on industry trends. Written by industry experts, they offer viewpoints on specific technologies or products in the science and laboratory environments. These articles are not product- or company-specific. Mention of a product, used as an example, is allowable if limited to a single paragraph.

Review and How-to articles survey the use of a specific technology, application or approach to a problem. They are typically 1200-1500 words long. The author should draw specific conclusions about the use, applicability, or future direction of the technology under consideration, particularly as it applies to science and engineering.

Software Assessments run from 750-1500 words and assess the use of a particular software package in a specific application. These reviews are typically done by a *Scientific Computing*-affiliated reviewer. Anyone interested in having a product reviewed should contact the editor.

Additional submission notes

- All authors should include their full titles and affiliations.
- Lengthy manuscripts should be interspersed with appropriate subheadings.
- References should follow a standard format and be listed in order of appearance at the end of the document.
- If graphics have been published previously, the author is responsible for obtaining permission to republish and should include bibliographic or crediting information if required.
- Please include detailed captions with all graphics provided.
- All tables must include a heading and be identified by table number (Table 1, Table 2, etc.).
- *Scientific Computing* follows the American Association of Magazine Editors (ASME) guidelines. Please see the ASME site (www.asme.magazine.org) for further details.

Abstract proposals and articles should be submitted to Editor in Chief, *Scientific Computing*, 973-920-7000, editor@ScientificComputing.com