SIAM News Style Guide

Society for Industrial and Applied Mathematics (SIAM) is an international community of applied mathematicians, computational and data scientists, researchers, academics, and students that is comprised of 14,000+ individual members. SIAM aims to serve and advance the disciplines of applied mathematics, computational science, and related fields by promoting the exchange of mathematical ideas and knowledge within the broader community. The objective of *SIAM News*—the newsjournal of SIAM—is to publicize the state of the art in applied math and computational science and highlight the various real-world applications of mathematical research. By doing so, the publication lays the groundwork for scientific advances and new discoveries, and enables leaders and policymakers to make informed decisions. In some cases, *SIAM News* staff solicit content directly from press releases, member suggestions, and presentations at SIAM conferences and other relevant meetings. Prospective authors are also welcome to pitch topics directly to the editors.

SIAM News has two components: the print newsjournal, which publishes 10 times per year, and SIAM News Online, the corresponding website. Print articles appear both in print and on the website, while blog articles appear solely online. All articles are featured on the homepage and shared with our community via our social media channels. Our readers work in a wide array of areas in applied/ computational math and range from students to professors and senior researchers; we thus aim for articles with an applied/computational math focus that is largely accessible to all, or that at least have some components that any reader will find meaningful. It is important to remember that *SIAM News* is not a journal, and articles therefore should not be written as such. *SIAM News* articles are much shorter than journal articles and should have more of a newsy flavor with a focus on the broader, real-world relevance of the topic at hand.

SIAM News articles fall into the following general categories:

- **Research:** Research articles break down cutting-edge developments, novel applications, and recent trends in applied math and computational science.
- **Students and Education:** Articles pertain to high school, undergraduate, or graduate-level education in the mathematical and computational sciences. They emphasize broad trends or proposed changes, as well as specific examples of novel educational approaches.
- **Careers in Mathematical Science:** These columns frequently take the form of advice and self-reflection from individuals who work in industry, government, or other settings outside of academia. Such articles may also convey broader information about different career paths—generally aimed at students and early-career mathematicians—or recap career-related panels at SIAM conferences.
- **Software and Programming:** These pieces normally explore the mathematics behind a specific type of software and its applications. They may also address the landscape of computational science, with useful information about ongoing projects or funding.
- **Ethics in Mathematics:** Articles focus on ethics-related topics, with frequent emphasis on artificial intelligence and data use.
- **Science Policy:** Authors may write about projects or updates that involve the intersection of research and government—including but not limited to the allocation of funding and resources for scientific projects—as well as advocacy work related to applied mathematics and computational science.
- **Book Reviews:** Book reviews report on recent books that are relevant to applied mathematics but intended for a fairly general audience, such as biographies or mathematics-based texts that touch on history, philosophy, and other broad-interest developments.
- **SIAM Around the World:** Articles can describe the activities of local SIAM chapters or SIAM student

chapters, or report on workshops, outreach initiatives, and other mathematics-related events in which SIAM members were involved.

- **From the SIAM Bookshelf:** Authors of books that are published by SIAM either present a stimulating excerpt from the text that acts as a standalone article or reflect on their writing process and the relevance of their book.
- **Obituaries:** Obituaries remember the lives of SIAM members who were actively involved in the SIAM community. These tributes typically comprise a history of the individual's life and career, research achievements, notable publications and awards, SIAM involvement, and impact on education/industry. Publication of print obituaries requires special consideration due to limited space.

Target Audience of *SIAM News*

SIAM members, non-member mathematicians and computational scientists, and undergraduate and graduate students in applied mathematics.

Guidelines on Content, Format, and Style for *SIAM News* Articles

- Approximately 800-1,400 words in length depending on the type of article; please check with the editors for specifics
- Written at a level that is understandable to applied mathematics students and researchers who might not be familiar with the specific research area in question
- Research articles should start with an overall description of the problem area and any noteworthy conclusions, then delve into more detail about the process and results before ending with a final summary paragraph. Section headings can be included but are not required.
- Equations and symbols are welcome to further any mathematical explanations.
- Links to any relevant websites can be incorporated as footnotes; these will appear as hyperlinks in the web version of the article.
- If possible, articles should include one to three images/photos/graphics along with accompanying captions. Free stock photos may be used, and videos may also be submitted for the online version. Please include relevant image/video credit in the captions.
- Acknowledgements can be listed at the end of the article.
- References should be alphabetized by the last name of the first author and written in APA style. Please aim for no more than 10 references.
- Articles can be co-authored by several individuals, though we respectfully request no more than four to five authors for the sake of space constraints.
- Articles should be accompanied by a short (one to two sentence) bio of the author(s), along with a headshot of each author if desired.

The Writing Process

- Please email the *SIAM News* staff (managing editor Lina Sorg and associate editor Jillian Kunze) with any questions. Staff can also provide relevant examples of previous *SIAM News* articles.
- Writing timelines are flexible and authors can usually set their own deadlines, though rough estimates of submission timelines are encouraged.
- Articles typically publish one to two months after initial submission.
- Please email completed drafts as either a PDF or Word document to Lina Sorg, Jillian Kunze, and/or SIAM News. If the article includes equations and/or symbols, a LaTeX file is also helpful.
- Once a draft is submitted, staff edit it for readability, grammar, and *SIAM News* style.
- After receiving the edited draft, authors then have the opportunity to review the changes and make any comments or further adjustments; if the article will appear in print, authors will also review a galley proof of the formatted piece.

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