

COMPUTERS IN EDUCATION DIVISION

2023 Call for Papers

The Computers in Education Division (CoED) invites the submission of both full papers and Work-in-Progress papers for the 2023 ASEE Annual Conference. CoED provides a broad-based forum for exchanging ideas in all areas that involve computers and computational tools for education in engineering, technology, and computer science. Additionally, the division is well known for its diverse participation from all disciplines represented by ASEE. The CoED Program Committee encourages the submission of papers in any such computer-related educational topic area, including but not limited to:

- advances in computer science, computer engineering, and programming pedagogy
- educational data mining / big data analysis of educational data / learning analytics
- educational tools (including classroom technology)
- teaching computational thinking
- mobile computing (Android, iPad, iPhone, Tablet PC, etc.) supported learning
- IOT and IOT usage in the classroom
- computing to support outreach programs
- internet applications in the classroom and/or laboratory
- computer-driven educational innovations and/or impacts
- instrumentation and laboratory systems
- applications in computing-related courses (e.g., programming, digital signal processing, robotics, computer architecture)
- design of embedded computing courses, including microprocessor/microcontroller selection and applications
- hardware descriptive language (HDL)
- use of social networking (Facebook, LinkedIn, etc.) in educational applications
- software packages (including symbolic computing and equation solvers)
- simulation and animation tools and applications

A submission can be made either as a full paper or as a “Work-in-Progress” paper. All accepted papers are published in the Conference Proceedings.

Full Papers

The criterion for a full paper is that it represents, at the time of draft paper submission, work that is complete, containing actual results for peer review. **The maximum length for Full Paper submissions is 10 pages (including references).** Minor allowances may be made at the Program Chair’s discretion, but excessively long papers will be rejected without review.

Outstanding full papers will be considered for the division’s John A. Curtis Best Lecture Award, and extended versions may also be invited for publication in the CoED peer-reviewed Computers in Education Journal (coed.asee.org).

Work-in-Progress Papers

Work-in-Progress submissions are for reporting on work that is still in the process of study and/or implementation for which results will not be available by the time of draft paper submission. The

purpose of Work-in-Progress papers is to provide a forum for feedback on early-stage projects that may not have substantive results yet.

The title for abstracts and papers submitted in this category must begin with “Work in progress:” before the title of the work. **The maximum length for Work-in-Progress submissions is 5 pages (including references).** Minor allowances may be made at the Program Chair’s discretion, but excessively long papers may be rejected without review.

Accepted Work-in-Progress papers are typically presented as posters to allow authors maximum opportunity to have extended conversations regarding their ongoing research. Additionally, all such papers will be considered for the division’s Woody Everett Award for the best poster presentation.

Review Process

Please refer to the Author’s Kit, available at the ASEE Annual Conference website, for a copy of the official Abstract and Paper Format Guidelines. All submissions are expected to adhere to these specified formatting requirements.

Abstracts submitted to CoED should be a detailed abstract. The abstract should contain sufficient information to enable reviewers to determine the suitability of the work for presentation in the Division. **The maximum length for Abstracts submitted to CoED is 600 words.**

Both abstracts and draft papers are reviewed using a double-blind process. Submissions of both abstracts and draft papers are not to include any identifying information regarding authorship or institutional affiliation; failure to comply with this directive may result in the rejection of the submission. Please note that abstract acceptance does not guarantee paper acceptance.

CoED is a “publish-and-review-to-present” division: to present at the conference, you must have your paper accepted for publication in the 2023 Annual Conference and Exposition Proceedings and have at least one author available to participate in the peer review process for both abstract and draft paper submissions.

ASEE Conference Workshops

Persons interested in proposing a workshop on a topic related to CoED should contact the Program Chair for information. If you have any questions, please contact the 2023 CoED Program Chair, Jean Mohammadi-Aragh, at jean@ece.msstate.edu.