



COMPUTERS IN EDUCATION DIVISION

ASEE 2024 Annual Conference – Call for Papers, Workshops, and Panels

The Computers in Education Division (CoED) invites the submission of **1) Full papers, 2) Work-in-Progress papers, 3) Workshops, and 4) Panel Sessions** for presentation at the 2024 ASEE Annual Conference to be held in Portland, Oregon on June 23-26, 2024. 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:

- **Generative Artificial Intelligence and Machine Learning in Education** – applications, use, and effectiveness; ethical and fairness considerations; opportunities for use in education settings
- **Pedagogy for Computing and Programming Courses** – advances in computer science, computer engineering, CS1, cybersecurity, and other computing courses; innovations for computing courses such as programming, digital signal processing, robotics, computer architecture; design of lab-based and embedded computing courses, including microprocessor/microcontroller selection and applications; teaching computational thinking; teaching hardware descriptive language (HDL); student perspectives of instructional approaches
- **Computer Supported Pedagogy** – classroom technology; mobile computing (Android, iPad, iPhone, Tablet PC, etc.) supported learning; IOT and IOT usage in the classroom; online applications in the classroom and/or laboratory; computer-driven educational innovations and/or impacts; the use of social networking (Facebook, LinkedIn, etc.) for learning; computational instrumentation and laboratory systems; online and distance education; laboratory and classroom software packages (including symbolic computing and equation solvers); simulation and animation tools and applications
- **Learning Analytics** – educational data mining; big data analysis of educational; data science applied to educational datasets
- **Computing Outreach Programs and Computer-Supported Outreach** – processes and programs that encourage the pursuit of computing majors; teaching the public about computing topics; virtual outreach programs; global computing education programs
- **Computing in K-12 / Early Childhood Education** – teaching computational thinking in K-12; programming education; formal or informal computational education for pre-college students
- **Professional Skills for Computing Majors and Careers** – advising practices for computing majors; computer supported advising; preparing for computing-focused technical interviews
- **Inclusion and Diversity in Computing** – accessibility in computing; underrepresented student perspectives; DEI initiatives

TYPES OF PAPER SUBMISSIONS

A paper 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.

1. Full Papers

Full papers are for reporting on work that, at the time of draft paper submission, is **complete and contains actual results for peer review**.

The length for Full Papers is **10 pages maximum (not 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 **Best Paper Award**. Outstanding full papers selected for presentation in the **Best of Computers in Education Session** will also be considered for the Division’s **John A. Curtis Best Lecture Award**.

Extended versions of outstanding full papers may also be invited for publication in the CoED peer-reviewed **Computers in Education Journal** (coed.asee.org).

2. Work-in-Progress (WIP) Papers

Work-in-Progress (WIP) submissions are for reporting on work that is 1) early in the process of study and/or implementation for which results will not be available by the time of draft paper submission, 2) at a stage where the results are as yet inconclusive, and/or 3) at an early to intermediate stage for which authors are seeking feedback from the community.

The **title for abstracts and papers** submitted in this category must begin with “WIP:” before the title of the work.

The length for Work-in-Progress papers is **5 pages maximum (not including references)**. Excessively long WIP papers may be rejected without review.

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. As such, accepted WIP papers are typically presented as posters to allow authors maximum opportunity to have extended conversations regarding their ongoing research.

All accepted WIP papers that are presented in the CoED Poster Session will be considered for the division’s **Woody Everett Award** for the best poster presentation.

ABSTRACT AND PAPER SUBMISSIONS

The submission process begins with the submission of an abstract that describes the planned Full or WIP paper to ASEE’s paper management system on or before the **abstract upload deadline of November 1, 2023**.

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**.

Authors of abstracts that receive positive peer review will be invited to submit a Full or WIP paper by the **draft paper upload deadline of February 1, 2024**. Please note that abstract acceptance does not guarantee paper acceptance.

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 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.

CoED is a "publish-and-review-to-present" division: to present at the conference, you must have your paper accepted for publication in the 2024 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.

WORKSHOP PROPOSAL SUBMISSIONS

CoED is soliciting proposals for Workshops (2-4 hours, usually held during a conference workshop time slot). Persons interested in proposing a workshop on a topic related to CoED should send a description of the workshop to the 2024 CoED Program Chair, Jean Mohammadi-Aragh, at jean@ece.msstate.edu **no later than November 1, 2023**. At minimum, the workshop description should include:

- Workshop title
- Workshop organizer, name & email
- Objective, Description, and Schedule (no more than 1 page)
- Target audience(s) and size
- Maximum attendance that can be accommodated
- Minimum attendance necessary to avoid canceling the workshop
- Speaker information (name, affiliation, title, biography)
- List previous workshops held at prior ASEE conferences and their dates
- Ticket information (cost for attendees, if applicable)
- Party financially responsible for workshop fees (name, affiliation, email address)

PANEL PROPOSAL SUBMISSIONS

CoED is soliciting proposals for Panels (held during a 90-minute technical session time slot). Persons interested in proposing a panel on a topic related to CoED should send a description of the panel to the 2024 CoED Program Chair, Jean Mohammadi-Aragh, at jean@ece.msstate.edu **no later than November 1, 2023**. At minimum, the panel description should include:

- Panel title
- Panel topic
- Panel organizer, name & email
- Panel moderator, name & email (if different from organizer)
- Panelist information
 - For confirmed panelists: name, affiliation, title, biography
 - For unconfirmed panelists: description of expertise planned for panel

KEY DEADLINES (all at Midnight Eastern Time on the Days Listed)

November 1, 2023 – Abstracts for Full or WIP Paper Proposals (submit in NEMO)

November 1, 2023 – Workshop and Panel Proposals (submit via email to CoED Program Chair)

February 1, 2024 – Draft Paper Submissions (submit in NEMO)

March 8, 2024 – Draft Revision Deadline (submit in NEMO)

May 1, 2024 – Final paper upload deadline (also deadline to remove anonymizations, confirm co-authors, update author bios)

If you have any questions about submitting to this call, please contact the 2024 CoED Program Chair, Jean Mohammadi-Aragh, at jean@ece.msstate.edu.

