2024 ASEE Annual Conference Call for Papers

The **Engineering Design Graphics Division (EDGD)** invites abstracts for papers for the 2024 ASEE Annual Conference and Exposition in Portland, Oregon, June 23 - 26, 2024, in all areas of engineering design graphics education, including, but not limited to:

- Innovative teaching pedagogy, such as flipped classroom learning, blended learning, and online learning, particularly as they relate to instruction during the pandemic
- Course and curriculum assessment and improvement of ABET strategies;
- Laboratory courses (including experiments) and hands-on projects;
- Capstone design programs and design throughout the curriculum;
- Educational Impact of design graphics standards, specifications, and constraints
- Design graphics hardware and/or software advances and innovations
- Survey analysis of design graphics tools in supporting productivity
- Design graphics educational philosophy and best practices
- Integrating research and education;
- Industry involvement in academia;
- Outreach programs;
- Maker spaces
- Other trends

Three types of submissions will be accepted: Work-in-Progress (WIP), Research Papers, or Evidence-Based Practice Papers.

- Work-in-Progress (WIP): Studies that are at an early to intermediate stage for which authors are seeking feedback from the community. WIP abstracts should address the motivation and background of the work, methods, results (or anticipated results), and significance. Proposals for work-in-progress papers must include "WIP" in the title of the abstract.
- Research Papers: New findings, situated in the context of prior findings and models, including motivation and background of the work, methods, results, and implications of the work and/or future directions for research.
- Evidence-Based Practice: Analysis of one or more engineering education practices in a graphics context, including teaching approaches, use of instructional technologies, institutional strategies to support success, etc. This analysis includes design rationale, assessment methods, and evidence of effectiveness and/or achievement of desired outcomes.

Each abstract and paper will be evaluated according to their respective criteria, as listed above.

All papers are "publish-to-present" which means:
- A favorable peer review of a submitted abstract will lead to an invitation to submit a full paper. A favorable peer review of the submitted paper will lead to acceptance.
- Only accepted papers will be considered for inclusion in a conference presentation.
- Presentation of the paper at the conference is required for publication of the paper in the conference proceedings. Typical formats for presentations are podium or poster sessions.

- All abstracts and papers must be submitted through ASEE's paper management system.
- Authors of Research or Evidence-Based Practice Papers will present in a traditional podium session with similarly-themed papers.
- WIP papers will be assigned poster or podium presentations.

Submission Guidelines

Abstracts

Abstracts should be approximately 300-500 words in length and include the following information: a clear statement of objective, the relevance of the work to engineering graphics, analysis and/or assessment methods, results or findings, conclusions, and future work. All abstracts must be submitted to the ASEE paper management system and will then be peer-reviewed. Abstract submission opens on **October 1, 2023,** and closes on **November 1, 2023.**

Abstracts must follow the ASEE Abstract Format Guidelines. Be sure to include the type of paper (Work-in-Progress, Research Paper, or Evidence-Based Practice Paper) in the first sentence of the abstract. For example: "This work in progress describes the study of…"

Abstracts should not include literature citations, Authors' names, institution names, or any identifying information anywhere in the abstract or filename. Authors are responsible for ensuring that the requirements for blind review are met.

Papers

Authors of accepted abstracts will be required to submit a full paper manuscript that follows ASEE's Paper Format guidelines. Papers will be evaluated using the criteria associated with the paper type, as well as the following:

- The manuscript must be complete. Authors should not expect to make substantial changes to a manuscript after its acceptance.
- The study should likely interest a broad group of engineering design graphics education researchers and/or practitioners.
- The work should build upon relevant references and bodies of knowledge.
- The findings or ideas presented should be generalizable or transferable to other settings. • The manuscript should be clear and coherent.
- The study should be original and innovative.
- The study should advance engineering design graphics education and/or practice.

Papers that fail to meet all criteria may still be considered acceptable based on the potential to further the EDGD objectives. Please be aware that the guidance provided by ASEE shall supersede the guidance provided by EDGD.

All published papers are eligible for the division's best paper award, aka the Chair's award. The award will be presented at the division's mid-year conference. The division will also select the best candidate from the accepted papers and will forward it to the ASEE Committee on Diversity, Equity, and Inclusion for consideration for the Best Diversity, Equity, and Inclusion Paper competition.

Call for Workshops and Special Sessions

The EDGD also seeks proposals for engineering graphics-related workshops and special sessions for the 2024 Annual Conference. Proposals for workshops or special sessions are due **November 15, 2023,** by email to Erik Schettig (ejschett@ncsu.edu)

Proposals must be no more than 2 pages, in 12-point font, single-spaced, and should contain the following:

- A description of the workshop or special session, including its purpose, format, learning goals, content, and activities.
- An explanation of why the non-traditional format is needed to accomplish the learning goals. A schedule.
- A list of presenters/facilitators and their contact information, along with a brief description of their qualifications to successfully accomplish the stated goals.

Workshop presenters are required to cover the cost of the workshop and are therefore encouraged to supplement workshop fees with appropriate extramural grants and subsidies. The program chair reserves the right to cancel any workshop that becomes likely to incur a financial loss on the division. Special sessions can be either a group of four or five related papers on a topic of significance or a panel of several distinguished experts. Please contact the EDGD program chairs to discuss conference workshops and/or special session proposals.

Please forward this information to anyone who may be interested in presenting their work, hosting a workshop, or forming a panel at the 2024 conference. If you have any questions, please contact the program chair.

Important Dates:

Abstract Submission opens October 1, 2023
Abstract Submission due November 1, 2023
Draft Paper Submission due February 1, 2024
Revised Draft Submission due March 8, 2024
Final Paper upload due May 1, 2024

For additional information, please contact the ASEE 2024 Program Chair:

Erik Schettig
Lecturer
Technology, Engineering, and Design Education
North Carolina State University
ejschett@ncsu.edu