

2023 ASEE Annual Midyear Conference Call for Papers

Raleigh, NC

The **Engineering Design Graphics Division (EDGD)** invites digests for the **75th ASEE Engineering Design Graphics Division Midyear Conference** in Raleigh, North Carolina January 4-6, 2023, 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; and
- 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 papers 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.
- **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 paper will be evaluated according to its respective criteria as listed above.

All papers are “publish-to-present” which means:

- 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 the publication of the paper in the conference proceedings. Typical formats for presentations are podium or poster sessions.
- All 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.

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 will be required to submit a full paper manuscript in the form of a digest with 1200-1500 words that follows ASEE's Paper Format guidelines. All papers must be submitted to the ASEE paper management system and will then be peer-reviewed. Submission opens on **June 26th, 2022**, and closes on **September 15, 2022. Acceptances will be sent out in late October with final digests due on December 8, 2022.**

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 be likely to 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 of the criteria may still be considered acceptable based on the potential to further the EDGD objectives. Please be aware that 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 2023 Annual Conference. Proposals for workshops or special sessions are due **November 16, 2022**, by email to Erik Schettig (ejschett@ncsu.edu) or Daniel Kelly (Daniel.Kelly@ttu.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 that may be interested in presenting their work, hosting a workshop, or forming a panel at the 2023 conference. If you have any questions, please contact the program chairs.

For additional information, please contact the ASEE 2023 Program Co-Chairs:

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