



American Society for Engineering Education | Design in Engineering Education Division

DEED members,

We look forward to seeing you all in Minneapolis, Minnesota for ASEE 2022!

Please note the submission schedule below in the DEED Call for Papers.

Corey Schimpf

2022 DEED Program Chair

Jeremy Edmondson

2022 Program Chair Elect

The Design in Engineering Education Division (DEED) invites abstracts for papers to be presented at the 2022 ASEE Annual Conference to be held June 26 - 29, 2022, in Minneapolis, Minnesota. Abstracts may be submitted on topics related to the role of design in engineering education.

Abstract Submissions Open – October 11th, 2021

Abstract Submissions Due – November 8th, 2021

Draft Paper (for accepted abstracts) Due - February 7, 2022

The 2022 Conference Authors Kit is available on this link:

<https://www.asee.org/annual-conference/2022/paper-management/for-authors>

The purpose of DEED is to disseminate knowledge, learning and best-practice experiences that improve the quality of engineering design education proficiencies and pedagogy. This division is relevant and inclusive to both engineering design instructors and research practitioners. DEED defines relevant and inclusive as applicable and comprehensive through the education and research processes to the design education community.

DEED seeks contributions on topics that include, but are not limited to:

- First-year Engineering Design
- Capstone Design
- Innovation in Design Education
- Design Instruction and Pedagogy
- Teams and Teamwork in Design Education
- Design for Community
- Interdisciplinary and Multidisciplinary Design
- Enhancing Design Education through Technology¹
- Sustainable Design
- Design for “X”
- Assessment of Design Activities
- Design Realization
- Design Methodology including Design-based Entrepreneurial Mindset
- Case Studies, Reflections, or Interventions for remote, distant or hybrid mode Engineering Design Projects
- Exploring the intersection of Engineering Design and Social Justice
- Papers at intersections between the aforementioned topics and equity, access, diversity, and inclusion

Papers related to diversity, inclusion, and equity qualify for submission to a conference-wide best paper award.

Authors are encouraged to submit work that is beneficial to other design educators and to suggest strategies for transferability and/or implementation. Assessment of work is strongly encouraged, when possible, but not compulsory if it's not suitable for the topic at hand.

¹ Including innovative uses computational tools such as CAE and CAD (e.g., generative design, human-machine collaborations, etc.)

DEED is also requesting proposals for Workshops, Panels, Special Sessions, new session topics and new session.

Please review the ASEE DEED Paper Guidelines for DEED-specific details related to manuscript submissions. The ASEE DEED Paper Guidelines will be used as a basis for all manuscript reviews. The 2022 ASEE DEED Paper Guidelines will be posted on the DEED website at <http://deed.asee.org/index.php/conference-info/>.

Podium, Postcard and Poster Sessions

DEED accepts both completed research efforts and those that are a “Work in Progress” for inclusion as peer-reviewed papers in the annual conference. “Work in Progress” is a mechanism/forum for authors to share and receive feedback on preliminary work. “Work in Progress” submissions are identified both through the submission system and through their title, are included in the conference proceedings, and are typically presented in the DEED Poster or Postcard sessions. Accepted final papers will be published in the proceedings and presented in one of three different types of sessions: Podium sessions, Postcard sessions, and Poster sessions. Each are described briefly below:

1) Podium Sessions are traditional research presentations and will occur during division technical sessions. The podium talk format gives authors of papers an opportunity to provide a detailed overview of a research project or curricular innovation. Approximately six papers will be grouped thematically in technical sessions lasting 90 minutes giving each work about 10 minutes for presentation and 5 minutes for Q&A.

2) Postcard Sessions are a novel session type designed to report important innovations and current research efforts and open conversations. The postcard format gives authors of papers the opportunity to pitch their work with a two-slide (postcard back and front) overview of their work in five minutes or less. After the pitch is made, attendees will have the opportunity to talk with the authors and revisit their postcards while authors receive project feedback from interested viewers. Approximately 8 papers are grouped thematically in Postcard sessions.

3) Poster Session will occur over lunch during the division’s poster session in the convention hall. The poster session format gives authors a large format venue to present research and course innovations in a public setting. Authors are expected to stand near their poster for the entire session to engage with poster session attendees.

All DEED papers will be placed in either a podium session or a postcard poster session by default with preference to the podium session slots being given to full papers and preference for postcard poster session slots being given to Work-in-Progress papers. Authors may optionally select to present in the Poster Session by contacting the Program Chair and requesting placement in a Poster Session. Any accepted paper may be assigned to either a Podium or Postcard Session (even when the paper is not a “Work in Progress”).

Publish to Present and Review to Publish Criteria

In addition to the ASEE “Publish to Present” requirements, DEED requires the support of its authors in “Review to Publish” at both the abstract and manuscript stages. Abstracts for review will be assigned November 9 and are due no later than November 22. Blind manuscript reviews will be assigned February 8 and are due no later than February 28.

Workshop, Panel and Special Sessions

DEED accepts proposals for sessions in the areas listed for paper submissions. An individual abstract for these sessions is required. Persons wishing to organize a DEED session should (1) contact the Program Chair via email to describe their intent to submit a session proposal AND (2) submit a paper abstract in Monolith providing the following: description of the topic of the session, format for the session, and proposed panelists. DEED officers and directors will review the submissions for appropriate content and (if required) recommend the session to ASEE. To be considered, proposals must be submitted before paper abstract submission deadline (October 12th).

1) Workshop Sessions may be proposed in the areas listed for paper submissions. The abstract must include the following: workshop title, objective, description, speakers/facilitators, estimated head count, and whether or not this workshop was similar to a prior ASEE workshop including the name of the prior workshop as this is the information required by the online form in Monolith. Workshops submitted directly on the ASEE site, prior to DEED approval, will not be recommended to conference organizers for inclusion.

2) Panel and Special Sessions may be proposed in the areas listed for paper submissions. These sessions differ from organized sessions in that they are not publish to present; however, an individual abstract for the panel session is required. The abstract must include the following: description of the topic of the panel, format for the panel session, and proposed panelists.

For information about any submission, see the ASEE website: <http://www.asee.org>.

For questions or ideas concerning DEED topics or sessions, contact:

Program Chair: Corey Schimpf (schimpf2@buffalo.edu)
University at Buffalo, Buffalo, New York.

Program Chair Elect: Jeremy Edmondson (jedmond2@ncsu.edu),
North Carolina State University, Raleigh, North Carolina

Not a member of DEED? Why not join us when you renew?

<http://www.asee.org/memberresources/groups/divisions>