



All the News In DEED NEWSLETTER

UPCOMING

2020 ASEE Annual Conference & Exposition

Montreal, Quebec, Canada | June 20-24, 2020

DEED 2020 Conference Programming

We are looking forward to another great ASEE conference next year in Montreal, Quebec, Canada. For highlights from the 2019 conference in Tampa, FL, see 2nd page of this newsletter. We have begun programming for the conference with the Call for Papers. Abstracts submissions are now open! We encourage your input for the 2020 Conference! Contact us (use the email below under 'Get Involved') if you have ideas for workshops, panels, or other special sessions!

2020 Important Conference Dates

Abstract Submissions Due: Oct. 14, 2019

Draft Papers (for accepted abstracts) Due: Feb. 3, 2020

For a full list of dates, see the [ASEE Author Kit](https://www.asee.org/documents/conferences/annual/2020/2020_Authors_Kit_1.pdf) (click to open) https://www.asee.org/documents/conferences/annual/2020/2020_Authors_Kit_1.pdf

DEED Paper Guidelines

Click on this text (or follow URL) for our full paper guidelines which detail expectations for submitting papers to DEED <http://deed.asee.org/index.php/conference-info/>

DEED Call for Papers

DEED invites abstracts for papers to be presented in either podium or post card format sessions as well as proposals for workshops, panels, and new session formats to be included as a part of the DEED program at 2020 ASEE Annual Conference to be held June 20-24, 2020, in Montreal, Quebec, Canada.

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

- capstone design
- innovation in design education
- design instruction and pedagogy
- teams and teamwork in design education
- design for community
- interdisciplinary and multidisciplinary design
- sustainable design
- use of technology to enhance design education
- design for "X", assessment of design activities
- design innovation
- generation and realization
- design methodology and how these topics relate to diversity, equity, access, and inclusion

Authors contributors are encouraged to consider work that could be useful to other design educators and to suggest strategies for transferability and/or implementation.

For the entire 2020 Call for Papers, please visit the DEED website: <http://deed.asee.org/index.php/conference-info/>.

Student member? Be on the look-out for the DEED Design Vision challenge! Theme and Deadlines will be released in early 2020. Four winning student submissions will be selected to present their work as part of the ASEE DEED Postcard Poster Session. At the session, the winners will be honored, including the official awarding of \$500 (to offset the cost of attending ASEE) and a certificate to each winning submission.

WHO WE ARE:

The purpose of DEED is to share knowledge, learning and best-practice experience that improves the quality of engineering design education skills within our community.

OUR PRIMARY OBJECTIVES:

- Encourage the dissemination of new approaches and effective pedagogy in the area of engineering design education.
- Provide a forum to identify problems and needs in the area of engineering design education and explore the means to address those problems and needs.

ABOUT DEED

Get Involved!

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Meet the DEED 2019-2020 Board!

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2019 ASEE Annual Conference Highlights Tampa, FL



DEED 2019 Conference

We had a successful conference with two workshops, 7 technical sessions, and 1 postcard poster session. We also had 2 ASEE special Industry Day sessions and an additional DEED special session. Total, we had 52 papers published and presented!

Best Paper Award Winner!

Our 2019 Best Paper was awarded to Dr. Giovanna Scalone, Aaron Justin Joya, and Kathryn Shroyer, for their paper "Design Intentions: Engineering Students Looking Ahead to their Future Design Behavior".

Student Essay Context

Undergraduate division winner

Katherine Tanner, The Ohio State University, "If you build it, they will break it."

Graduate division winners

Francis Fish, Georgia Institute of Technology, "A Brief Overview of the Pros and Cons of AI in Engineering Design."

Elisabeth Kames, Florida Institute of Technology, "Addressing the Possibilities: The Benefits of Implementing Artificial Intelligence in Engineering Design Education"

Devanshi Shah, Florida Institute of Technology, "Artificial Intelligence: A path humans can pave to future."

Other News

C2W Results: What Transfers from Capstone Design?

The NSF-funded Capstone to Work (C2W) research team studies students' experiences as they move from capstone engineering design courses to the workplace. We followed participants from four institutions through surveys and interviews to learn about their experiences at work and what they transferred from capstone design. Top responses include self-directed learning, teamwork and communication, technical work, and identity development.

We have summarized the "what transfers from capstone design" results from our first cohort of sixty participants in a set of graphic images - see www.cdhub2.org/links/c2w. We encourage capstone design faculty to use these images in their capstone design courses to motivate current students about the role of capstone design in career preparation.

Get Involved!

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