



American Society for
Engineering Education
Design in
Engineering Education
Division

May 2021
All the News
InDEED
NEWSLETTER

ABOUT DEED

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.

2021 VIRTUAL ASEE Conference

July 26—29, 2021

[Conference Registration and Housing Now Open!](#)

The 2021 Conference Authors Kit is available on this link:

<https://www.asee.org/documents/conferences/annual/2021/2021-Authors-Kit.pdf>

If you have any questions, please contact DEED Program Chair and Chair-Elect: Beshoy Morkos, bmorkos@uga.edu or Corey Schimpf, schimpf2@buffalo.edu.

DEED Call for Nominations

2021-22 Open DEED Board Officer Positions

The DEED is calling for nominations for the following board officer positions to be elected at our 2021 Virtual ASEE Conference DEED Business meeting 3:30—5:00 pm on Wednesday, July 28, 2021. You can self nominate or someone else (with their approval) by emailing Bob Rhoads DEED Chair at rhoads.2@osu.edu by Friday, July 23, 2021. Open position detailed descriptions can be found at <http://deed.asee.org/index.php/bylaws/>

- **Program Chair Elect**— Succeeds to Program Chair, Vice-Chair/Secretary-Treasurer and Division Chair in following years: takes responsibility for the organization and timely completion of reviews for papers submitted to the sessions sponsored by the Division at the annual conference, undertakes the above in close coordination with the Program Chair
- **Director(s)** - 1-2 year terms: Serve on the Executive Committee and, upon appointment, on such other committees as the Division may establish.

Appointed Positions:

- **Communications Chair**— 1 to multiple year terms: develops and maintains the division's website, administers electronic communication platforms used by the division (e.g. ASEE HUB), Manages the division's social media presence, organizes and leads the division's communications, outreach, and promotion committee, ensures that the division's use of digital media adheres to the policies and standards of the society as to security, privacy, and all other related issues
- **Diversity Representative**— 1 to multiple year terms
- **P12 Representative**— 1 to multiple year terms
- **Historian**— 1 to multiple year terms
- **Graduate Student Representative(s)**— 1 to multiple year terms

Do you have a job posting, research request or other announcement you would like the DEED community to be informed of? Please email rhoads.2@osu.edu with the information to be included in the next InDEED newsletter.

Get Involved!



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Open Postdoctoral Position

Postdoctoral Research Fellow in Engineering Education at Boston College

The fellow will be working with Dr. Avneet Hira and her collaborators on projects aimed at humanizing engineering and design practices, using technology to support learning, and engineering in informal (often low-resource) settings.

For questions, please contact Avneet Hira at avneet.hira@bc.edu

Please apply with a cover letter and CV here:

<https://bc.csod.com/ux/ats/careersite/2/home/requisition/4642?c=bc>

Open Faculty Position

Instructor/Sr. Lecturer at Oregon State University

The School of Mechanical, Industrial, and Manufacturing Engineering invites applications for a full-time (1.0 FTE), 12-month, fixed-term Instructor/Senior Instructor I (Professional Design Engineering) position. Reappointment is at the discretion of the School Head.

This position focuses professional preparation of students in the School of Mechanical, Industrial, and Manufacturing Engineering (MIME) through their capstone engineering design experience. The experiential opportunities within the capstone sequence should support a lifetime of professional growth and accomplishment, in part by engaging students and practitioners in real-world experiences.

In this role you will create and advance strategies to promote capstone opportunities while ensuring the best practices and innovations are implemented to help advance career readiness as an outcome. You'll teach the capstone design sequence, prepare students for professional licensure, and coordinate with other capstone experts to foster and strengthen relationships with industry and university partners. You'll also supervise undergraduate and graduate assistants who support the delivery of capstone courses. You'll report to the School Head and will work closely with Program Coordinators for the undergraduate degrees offered by the School, the Associate Head for Undergraduate Programs, and staff who support teaching labs and industry relationships.

Your work will promote creative engineering design, critical thinking, student knowledge and skills, and sponsor capstone projects. You'll grow the strong foundation and success of existing curriculum to further develop and deliver the capstone experience with an emphasis on engineering practices that impart essential design and manufacturing skills such as GD&T, Form-Fit-Function, and manufacturing process development, and knowledge in professional engineering practice such as contracting, collaboration, and project management.

You'll be part of a community of students, faculty, staff and stakeholders that embrace diversity and inclusive practices to foster collaboration and equalize student success, regardless of identity or background.

The link to the posting (to apply) is <https://jobs.oregonstate.edu/postings/100995>

The full-consideration closing date is June 08. If you have questions about this position, contact John Parmigiani (John.Parmigiani@oregonstate.edu)

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Workshop

Clive L. Dym Mudd Design Workshop XII May 27-29 -- Registration open

The Clive L. Dym Mudd Design Workshop is a biennial program organized by Harvey Mudd College to bring together design educators, practitioners and researchers to discuss issues in design and engineering education. The Clive L. Dym Mudd Design Workshop XII is being held virtually this year on May 27-29. The theme is "Designing Through Making: 2-D and 3-D Representations of Designs In Campus Facilities and Remotely."

Registration is available at <https://mudddesignworkshop.com/mdw-ix/mdw-xi-registration/> and costs \$100. The preliminary program is posted at <https://mudddesignworkshop.com/mdw-ix/preliminary-program/>. Presenters from many universities will share their research in a single-track of thematically-grouped sessions.

Keynote speakers will be:

- * Dorothy Jones-Davis, founding Executive Director of Nation of Makers, a nonprofit whose mission is to support America's maker organizations through advocacy, resource sharing, and the building of community within the maker movement and beyond, and
- * Amar Hanspal, CEO of Bright Machines where he leads a team focused on changing the resiliency, flexibility, and economics of manufacturing through smart automation.

We want YOUR Perspective! Yes, you.

Design Vision Competition: Design Disruptions

Sponsored by ASEE Design in Engineering Education Division

Provocative. Visionary. Aspirational. Innovative.

You love to design. You have taken or taught design classes. As the ultimate stakeholder of design education and/or practice, we look to you to imagine ...

What is a potential emerging disruptive change that impacts engineering design? ... Describe your vision, thoughts, solutions, ideas, or perspectives in any medium: slideshow, essay, video, storyboard, or other ...!

Find the full Description Here <http://deed.asee.org/index.php/conference-info/> You will soon see that any related vision, observation, set of ideas are encouraged!

Entries are accepted in 4 categories: Pre-college, Undergraduate Student, Graduate Student, Practitioner Up to 4 Winners will each receive a \$500 fellowship grant to attend ASEE 2021 ASEE membership NOT required.

Submissions are due June 14, 2021. Winners and other selected presenters will be informed no later than July 1, 2021

Feel free to be creative!! We are looking forward to hearing from you!

Also, you can register and start now, but finish your vision later.

Again, link here to the full invitation <http://deed.asee.org/index.php/conference-info/>

Please feel welcome to contact Kris Jaeger-Helton at bkjaeger@coe.neu.edu with any questions.

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