

[deed_div] All the News InDEED: June 2018 Newsletter

June 2018

The intent of this newsletter is to inform the DEED community about upcoming events and related news in DEED, ASEE, and the engineering design community. As always, these newsletters and DEED content are available 24 hours a day, 7 days a week, on our DEED website (<http://deed.asee.org/>).

Gail Hohner

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(1) DEED Business Meeting and Division Dinner – TUESDAY NIGHT June 26 IN Salt Lake City

DEED will hold our annual business meeting and Division social Tuesday June 26 during the National ASEE Conference.

DEED Business Meeting, T613, Tuesday 5 – 6 pm, Room 251 A Convention Center
DEED Divisional Dinner, T713, Tuesday 7 – 9 pm, Copper Onion, 111 E Broadway

All are welcome and new members are particularly invited to join us! We will walk to the Copper Onion, 111 E Broadway directly following the business meeting.

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(2) Would you like to serve as a DEED Officer or Director in 2018-2019?

DEED Elections will be held during the annual business meeting at the national Conference in Salt Lake City. Please contact Gail Hohner, DEED Chair 2017-2018, ghohner@umich.edu to discuss your interest.

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(3) Student Essay Awards

The results of this year’s essay competition are:

GRADUATE DIVISION

1st Place - Hadi Ali, Arizona State University. "Educated Human Judgement: Design and Analysis: Where to probe, and where to pass by?"

2nd Place - Richard J. Aleong and Molly H. Goldstein, Purdue University. "Beyond integration: Transcending analysis and design for engineering learning"

UNDERGRADUATE DIVISION

1st Place - Jack Ruggless, Western Michigan University. "Better Integrating of Engineering Design and Analysis into Engineering Education"

2nd Place - Trevor Christy, Purdue University. "Creativity Required"

The students will be presented with their awards in Salt Lake in Session T413.

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(4) IEEE Special Issue - Using Design Projects to Spur Cognitive Development of Students in Science and Engineering

The *IEEE Transactions on Education* (ToE) solicits original manuscripts for a special issue exploring overlaps between design thinking/education/projects and theories on student development. Manuscripts appropriate for the special issue should be aligned with the aims and scope of ToE and generally address the guiding question: ***To what extent do design projects influence cognitive and epistemological development of undergraduates in science and engineering?*** This special issue solicits contributions to knowledge connecting two or more of the following fields: design education, social psychology, student development theory, and cognitive neuroscience.

Initial Submission Deadline: 15 August 2018.

Full call for papers available at <https://shannonchance.net/call-for-papers/>

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(5) 12-month Faculty Position: IPPD Program Director - University of Florida

The Director of the Integrated Product and Process Design (IPPD) Program is responsible for the program's continued academic and financial success. The UF IPPD program, one of the crown jewels of the Herbert Wertheim College of Engineering at the University of Florida, is widely recognized as an outstanding example of an industrially sponsored multidisciplinary capstone design course sequence. Over 3,200 seniors in various engineering and business disciplines have participated in more than 500 projects since the program's founding in 1995. IPPD prepares students for professional practice by engaging them in real-world design, build and test projects provided by sponsoring industrial clients and supported by company liaison engineers and UF faculty mentor/coaches. The Director position is a 12-month, non-tenure track full-time position at the rank of Assistant/Associate Engineer.

Candidates with relevant academic/industrial experience in design of systems, hardware, processes and/or software, project management, and working with diverse groups and underrepresented populations are encouraged to apply. For more details on the position and instructions on how to apply, please visit: explore.jobs.ufl.edu/cw/en-us/job/506380/assistantassociate-engineer. More information on the IPPD Program is available at: www.ippd.ufl.edu

Please direct questions to the search committee chair: Dr. R. Keith Stanfill, Ph.D., P.E. stanfill@ufl.edu, 352-846-3354

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(6) Senior Lecturer or Lecturer in Mechanical Design – Yale University

The Department of Mechanical Engineering and Materials Science at Yale University invites applications for a position to be appointed at the non-ladder rank of Senior Lecturer or Lecturer, to start in time for the 2018-2019 academic year. The position will include working with faculty and graduate student instructors in existing design-related courses as well as developing new courses in mechanical and machine design. The initial appointment is for three years, but may be renewed conditional upon a favorable review in the penultimate year and the teaching needs of the Department. Salary will be set commensurate with experience. Please apply at <http://apply.interfolio.com/48983>.

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(7) Call for Presentations: Construct3D 2018

Construct3D 2018 is a vendor agnostic 3D printing/digital fabrication conference and expo focusing on academic use, best practices, and professional development opportunities for faculty, staff, and students. Attendees come together to help provide leadership and evangelize adoption of this rapidly expanding area of research and development. This year's event will be hosted by Georgia Tech, **October 5-8**, in **Atlanta, Georgia**. The conference program includes tours of the Georgia Tech Invention Studio, workshops on CAD, 3D printing and inspiring talks by invited speakers.

If you are interested to submit a talk or a paper, then please follow this link to learn more.
(<https://www.construct3dconf.com/call-for-presentations/>)

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(8) How to submit to the DEED Listserv

To submit an item to the InDEED newsletter, please prepare a short description (no more than 2 paragraphs) including any relevant URLs (in explicit form, not as hyperlinks), deadlines and contact information.

Putting the words "DEED newsletter" in the subject will help make sure your submission makes it in the email.

Email this information to Gail Hohner, DEED Division Chair - ghohner@umich.edu

The newsletter will be distributed around the 15th of each month. Newsletter submissions should be sent no later than the 10th of the month.

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Gail Hohner
DEED Chair 2017-2018