



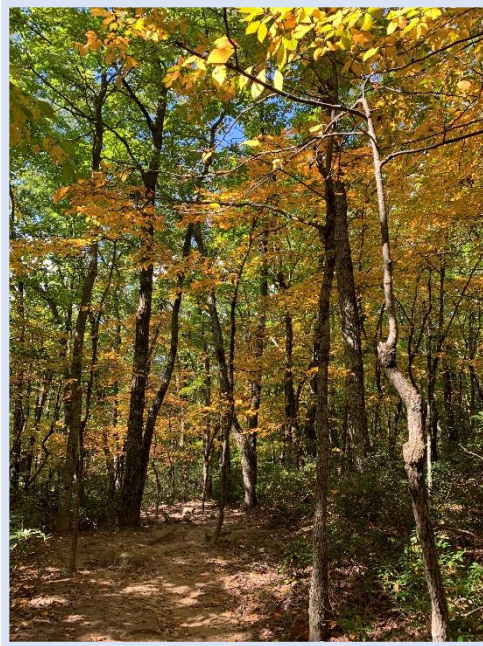
Fall 2021

ASEE Engineering Design Graphics Division Newsletter

The EDGD Newsletter is issued 6 times per year and aims to share information on latest engineering design graphics research and practices. All newsletters and more content are available on our EDGD website <https://edgd.asee.org/>

If you have something you want to share in the newsletter (great ideas, upcoming workshops, nice experiences), let me know: Diana (dibairak@vt.edu) or connect with us on Twitter using **#ASEEGraphics** to signal publications, initiatives or events for inclusion in the newsletter.

Happy Thanksgiving! There is no doubt about it, we are living in difficult times. There is the day-to-day stress almost all of us face, whether that is balancing work and family or just trying to get from one obligation to the next without spinning out of control. But I am reminded that is the season of thanksgiving and it is not the time to rush from one task to another or to sit on the computer trying to finish grading or get that paper in. It's about relaxing, spending time with people who matter. I am reminded that the first Thanksgiving was held as a celebration of life, of the fact that the Pilgrims survived difficult odds and made it through to the next year's harvest. Like those early settlers, our community has faced many challenges, but we always emerge stronger. We made it through another year, in collegiality and friendship, and I look forward to the events when we can exchange ideas and share work in person again.



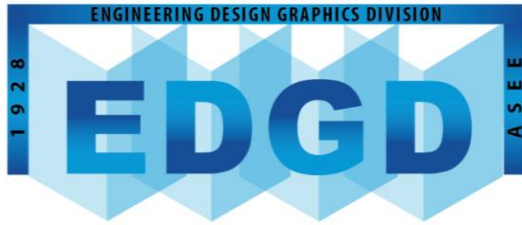
I am happy to announce that we are arranging **EDGD Spring School**. The school will primarily focus on workshops and in-depth discussions rather than long presentations. We will, however, also arrange two keynote lectures (which will also be broadcast in a live webinar for those who are unable to attend the Spring School on site). I am in communication with a spatial cognition psychologist, who has tentatively accepted to hold one of the lectures and we are currently contacting other speakers who could provide inspiration and multidisciplinary expert knowledge on engineering design graphics education in research and practice from a different theoretical perspective.

In addition to the two keynote lectures, we will have (limited) time for participant presentations, but our main focus will be on in-depth discussions and workshops, aiming to (1) draft a research agenda for design graphics in engineering education, (2) develop concrete ideas for research collaborations, including time dedicated to getting started on the collaborative work (e.g., plan co-authored papers/funding applications, plan seminars or other events, formulate goals for the research network), and (3) capacity building activities (e.g., trying out specific methods of analysis).

The Spring School 2022 will be hybrid and for those of you who are interested in participating in person, the school will take place in

Blacksburg, VA. On the day after the school, we will arrange social activities for those who would like to stay longer and interact in a more informal setting. We will share more information as we get closer to the event. For now, make sure to complete the survey to indicate your time and topics preference. Please get in touch if you would like to be part of the organizing group or if you have any questions or ideas regarding the Spring School. I am hoping that we can co-create the agenda for the school to render it as creative and constructive as possible for all participants and create additional momentum for expanding and deepening research on engineering design graphics in engineering education!

Diana Bairaktarova
EDGD Director of Communications



Fall 2021

Coming up in this month's newsletter:

We are planning the Division Spring School. Please, complete the survey indicate your preferences on time and topics to be discussed - <https://forms.gle/Tci71T6Xzcq7QNan8to>

Call for Submissions for the EDGD Spring School 2022

Theme TBD

Dates: TBD based on EDGD members' survey responses

Location: a hybrid event (online and onsite) in Blacksburg, VA (Virginia Tech campus)

The EDGD EC is organizing a two-days Spring School on engineering design graphics education, and invites those interested to submit suggestions for workshops, or papers. Please submit a short expression of interest (200 words to dibairak@vt.edu by 31th December 2021.

Approach: The Spring School is intended to maximize opportunities for interaction, discussion, and exchange. While papers are welcome, workshops which prioritize exchange and discussion on a theme will be prioritized, along with sessions dedicated to small group meetings and dialogue.

Theme: once the survey is closed, the theme with most interest of the community will be [Insert here with a brief description].

Participants can feel free to suggest other themes and topics which may lie outside these three strands:

- ✓ Engineering Design Graphics Education in a new hybrid world – same challenges dressed differently? Or new skills to learn?
- ✓ Breadth and depth of engineering Design Graphics Education: giving space to synthesize and grow.
- ✓ Widening the geographic base of participation and engagement of EDGD community.

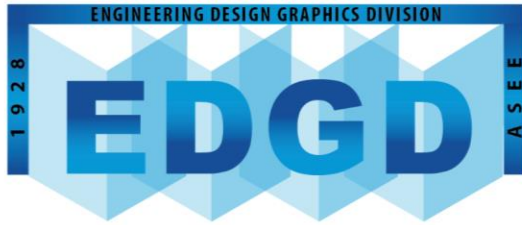


News and initiatives

Be part of an ongoing conversation on engineering design graphics education using #ASEEGraphics on Twitter, and let us know about your recent publications, events and initiatives that we can share with our community in our newsletters, or even to share your opinions and respond to the ideas expressed in the EDGD editorials.

Call for Papers for our Journal of Engineering Design Graphics. We invite you to submit unpublished manuscripts that share your classroom experiences related to engineering graphics courses that you have taught, developed, and modified as a result of COVID-19 pandemic. This is an opportunity to share with the engineering design graphics community how you have adapted what are often hands-on courses, especially those courses that include hand sketching and visualization activities with manipulatives, to a new and changing learning environment. More information is available at <http://edgj.org> under "Information for Authors."

Tenure-Track Assistant or Associate Professor in the Engineering Fundamentals Department, College of Engineering, Embry-Riddle Aeronautical University in Daytona Beach, Florida



Fall 2021

The Engineering Fundamentals Department in the College of Engineering, Embry-Riddle Aeronautical University in Daytona Beach, Florida is seeking to fill a tenure-track position at the Assistant Professor or Associate Professor level. The department seeks candidates who can add to the department's expertise in engineering education pedagogy and its leadership in teaching within the College of Engineering.

Candidates must hold a terminal degree in engineering and preference will be given to candidates who hold a terminal degree in engineering education. Candidates must be capable of teaching one or more first or second year general engineering courses, specifically Introduction to Engineering, Introductory Problems for Engineering Applications, Engineering Graphics (i.e., CATIA or SolidWORKS), Introductory Computer Programming (i.e., MATLAB), Statics, or Dynamics.

We expect our colleagues to share the department's commitment to an inclusive, inviting, and collaborative community. We strongly encourage individuals from populations traditionally underrepresented and underserved in STEM – women, Blacks, Latinx, Native Americans, persons with disabilities, and persons of all gender identities and/or sexual orientation – to apply.

For more information about the position and to apply please click the link [here](#). If you have any questions, please contact the committee search chair, Dr. Lulu Sun via email at sunl@erau.edu or Dr. Heidi M. Steinhauer, Department Chair, via email at steinhah@erau.edu.

Open calls - Upcoming events

Call for Submissions for the EDGD Spring School 2022

Dates TBD, Hybrid (online and on site- Blacksburg, VA) –Submit short abstract to dibairak@vt.edu by 12/31/21

The 122nd ASEE Annual Conference and Exposition

26-29 June 2022, Minneapolis, USA - [Call for abstracts](#) (dl 8 February 2022)
