FYEE 2025: Call for Participation: Abstracts and Workshop Proposals

2025 FYEE Conference Theme
"Engineering Communities: Fostering Connections for First-Year Success"

The FYEE 2025 conference invites educators, administrators, teaching assistants, and practitioners to explore the transformative power of community in shaping the first-year engineering experience. This year's theme, *"Engineering Communities: Fostering Connections for First-Year Success,"* emphasizes the importance of fostering meaningful connections across institutions, industries, and communities to empower students, strengthen engineering education, and advance the public good.

FYEE 2025 will showcase innovative approaches to integrating community-driven initiatives into first-year engineering programs, creating environments where students from all backgrounds can thrive. The conference will focus on a variety of pathways that demonstrate the power of community and partnerships:

- **Project-based and Service Learning:** Highlighting first-year courses and projects that involve collaboration with community stakeholders and aim to improve surrounding communities while enriching student learning experiences.

- **Broadening Participation in Engineering:** Exploring partnerships designed to recruit historically underrepresented populations into first-year engineering programs

- **Building Supportive Campus Communities:** Sharing programs and resources that foster belonging within engineering, strengthen partnerships across units on campus, and contribute to student success.

- **Pedagogies That Promote Collaboration:** Showcasing classroom practices that cultivate in-class community building, peer-to-peer instruction, and a focus on collaboration over competition.

- **Community spaces:** Spotlighting classroom, learning, and social spaces that facilitate community-building across a range of years, engineering disciplines and background.

FYEE 2025 will provide a platform for participants to share ideas, forge connections, and co-develop strategies that amplify the impact of community-driven efforts in first-year engineering education. Through workshops, panels, interactive sessions, and networking, attendees will explore how these pathways can inspire students, support equity and inclusion, involve local communities, and prepare the next generation of engineers to create meaningful change.

Please visit the conference website https://sites.asee.org/fyee2025/ for up-to-date information about abstract/proposal & draft submissions, session formats, and registration details.

Abstracts & Proposals

We are seeking **proposals for Workshops or Panels**, and **abstracts for Full Papers, Work-in-Progress Papers, or GIFTS: Great Ideas for Teaching, or Talking with Students.** While we encourage submissions related to the conference theme or aimed specifically at one of the four pillars, you may submit abstracts on any topic relevant to first-year engineering.

Workshops are 90-minute interactive sessions on topics of interest to the first-year engineering community. Topics related to the conference theme, advising, first-year student success, first-year engineering programs, engineering education research, and K-12 engineering education are encouraged. Workshops will be selected based on a proposal (3 pages max). The proposal must include a discussion of the significance of the work and what the participants will gain from participating in the workshop. We encourage multidisciplinary teams to submit their ideas and welcome anyone in the community to be facilitators of workshops. Workshop facilitators will be expected to submit a Workshop Summary and Outline to be included in the conference proceedings (3 pages max).

Panels are 90-minute interactive sessions on topics of interest to the first-year engineering community. Topics related to the conference theme, the four pillars, advising, first-year student success, first-year engineering programs, engineering education research, and K-12 engineering education are encouraged. Panels will be selected based on a proposal (3 pages max). The proposal must include the person(s) chairing the panel, title or subject, an abstract or panel description, proposed panelists, what the attendees will gain from attending the panel, and a brief justification of which area(s) from the conference theme or pillars this panel could be situated. We encourage multidisciplinary teams to submit their ideas and welcome anyone in the community to be facilitators of panels. Panel facilitators will be expected to submit a Panel Summary and Outline to be included in the conference proceedings (3 pages max).

There are three types of papers that you can submit for the FYEE conference**: Full Papers**, **Work-in-Progress (WIP) Papers**, and **GIFTS (Great Ideas for Teaching, or Talking with, Students)**. Full and WIP Papers are typically focused on presenting research findings. GIFTS papers are for authors wanting to share their best practices for teaching, advising, and developing first-year engineering talent. Please see the flowchart on the next page for a guideline for submissions to the First-Year Programs Division (FPD).

Papers will be organized into sessions based on topic. Each session will have multiple presenters and the format and length of the presentation will vary by option. Podium presentations will be used for Full Papers; WIP and GIFTS papers will be presented at 90-minute interactive poster sessions. Each person will give a 1–2-minute elevator pitch at the beginning of the session. The remainder of the session will function like a typical poster session. Additionally, authors of GIFTS papers are expected to share resources and handouts related to their submission with the conference attendees.

All three paper types are accepted based on an abstract (250-500 words). <u>Titles must include the type of submission</u> (Full Paper, WIP, or GIFTS). Page limits for the final submissions included in the conference proceedings are: Full Papers – 6 pages max, WIP Papers – 3 pages max, and GIFTS – 3 page max.

ASEE FPD Papers

I want to write a paper...

NOTES: Guide to figure out the paper type

I love the breadth of the national conference

I prefer a smaller, more focused crowd

FYEE

ASEE Annual Conference

What paper type?

I have a lot of data from my research & looking to share my findings!

I tried a cool classroom thing & want to share

I have some data...but it is early in the research

GIFTS

WIP

Full Paper

Oops..life did not go as planned & missed ASEE deadlines...