

FYEE 2024: Call for Participation – Abstracts and Workshop Proposals

Abstracts and Workshop Proposals due March 18, 2024

Draft Papers due May 13, 2024

2024 FYEE Conference Theme

The “Whole Student”: Helping First-Year Engineering Students Succeed Across Multiple Dimensions

The FYEE 2024 conference will gather like-minded individuals to converge and explore the overarching theme of the “whole student”. In today’s rapidly evolving world, the demands on engineering education extend beyond technical expertise alone and must consider holistic student development.

This conference will allow us to delve into innovative approaches that go beyond the traditional classroom—emphasizing personal growth, interdisciplinary thinking, and emotional intelligence. These components allow us to assist students to navigate through a multitude of barriers and challenges, acknowledging that being in engineering is only one of their identities and that they potentially have several competing identities both inside and outside of the school environment.

As educators, our mission is to nurture well-rounded individuals who not only excel in their technical skills but also comprehend the significance of collaboration, ethics, and the societal impact of their work. The inclusion of diverse educational experience components like multidisciplinary problem sets, real-world issues, and engineering grand challenges ensure well-rounded experiences.

The FYEE 2024 conference provides a platform for members of various roles in academics, including 2-year and 4-year colleges and universities, community colleges, and P-12 institutions, to engage in discussions, workshops, and shared experiences. By uniting professionals from diverse backgrounds and roles, FYEE 2024 aims to inspire the next generation of engineers to become leaders who contribute positively to their communities and the world at large. Join us in exploring the multifaceted aspects of the “whole student” and let’s build a brighter future of education together.

Pillars and Gold Standard Artifacts

New to FYEE 2024, the conference has four strategic pillars:

- Entrepreneurial Mindset / Value Creation
- First-Year Design Spaces and Courses
- Academic and Professional Advising
- Transiting from High School to First Year

These pillars will supply a foundation for a meaningful dialogue among practitioners through workshops, paper sessions, and panels. To bookend the collaborative discourse, FYEE 2024 will host a “Breakfast Breakout” on the last day of the conference where stakeholders will create artifacts to capture ideas, lessons learned, and best practices to build a better and brighter future for engineering education.

In addition to workshops, panels, and paper presentation sessions (detailed in the following sections), the **FYEE 2024 conference program will also include special sessions**, e.g., collaborations in engineering education research. Please reach out to the conference chairs at fyechairs@gmail.com if you have any ideas for special sessions.

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). Titles must include the type of submission (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 – 1 page max.

Please visit the conference website <https://sites.asee.org/fyee2024/> for up-to-date information about abstract/proposal & draft submissions, session formats, and registration details. Please contact us at fyeechairs@gmail.com if you have any questions.

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

ASEE Annual Conference

What paper type?

FYEE

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...

