

Educating Future Leaders for Inclusive, Culturally Vital, and Socially Responsive Engineering

April 18 – April 20, 2024
University of Nevada, Las Vegas
Las Vegas, Nevada

The American Society for Engineering Education (ASEE) Pacific Southwest Section invites the submission of abstracts for papers, presentations, posters, workshops, and lightning talks for the 2024 ASEE-PSW Conference in Las Vegas, Nevada on April 18-20, 2024. ASEE-PSW encompasses Arizona, California, Hawaii, and Nevada.

This year's theme is **Educating Future Leaders for Inclusive, Culturally Vital, and Socially Responsive Engineering.**

Engineering affects every aspect of society. Rapidly advancing technologies are impacting society in new and unforeseen ways. How can engineering educators equip a diverse group of students to create and engage with new technology, to build community, and to impact future societies in beneficial and ethical ways?

As with previous Section conferences, submissions on other topics relevant to engineering education will also be considered. A sample list of possible topics to get ideas percolating can be found below.

Possible Topics

Culturally Vital and Innovative Curriculum & Pedagogy	Inclusive Forward Looking Teaching & Pedagogy
<ul style="list-style-type: none">○ Diversity, equity, and inclusion○ Underserved students (first generation and marginalized students)○ Students' mental health and wellbeing○ STEM identity and belonging○ Responsive and responsible teaching	<ul style="list-style-type: none">○ Course design○ Peer mentoring○ Capstone experiences○ Classroom technology○ Project-based learning○ Assessment tools & techniques○ Capstone experiences○ Undergraduate research○ Success and student organizations

Preparing Students for Emerging Industries	Socially Responsive Engineering Education
<ul style="list-style-type: none"> ○ Teaching professional skills ○ Sustainability ○ Issues around climate change ○ Responsible uses of AI ○ Engineering ethics ○ Virtual environments 	<ul style="list-style-type: none"> ○ Community engagement ○ COVID impacts on students and faculty ○ P-12 STEM outreach ○ Recruitment and retention strategies for students and faculty

The five possible presentation formats for this conference are described below. Please choose the appropriate option for each submission. As an on-site conference with an online option, virtual presentation and participation will be accessible in any of these formats. Works-in-Progress (WIPs) are welcome in any presentation format. Please see submission deadlines below.

1. Full Paper for Publication and Presentation

Please indicate in the first sentence of your abstract that you intend to follow up with a full paper. Submit an abstract of maximum 250 words and include, as appropriate, a clear description of the objectives and motivation, relevant background, assessment plan and results (if not a WIP). Authors of accepted abstracts will present their work in a conference session and will be required to prepare a full paper (maximum 10 pages including references) for review prior to publication in the conference proceedings.

For papers to be published in the conference proceedings at least one author must register and present. Full papers are also eligible for the section best paper competition, if the winner advances to the zone level and, if successful, to the national level best paper competition. **It is expected that the author(s) of a full paper submission will support the conference by reviewing one or more abstracts and papers submitted for the ASEE-PSW Conference.**

2. Abstract-Reviewed Presentation

Please indicate in the first sentence of your abstract that you intend to prepare a presentation only (no full paper). Submit an abstract of maximum 250 words and include, as appropriate, a clear description of the objectives and motivation, relevant background, assessment plan and results (if not a WIP). It is not required to follow up with a full paper in order to present in a conference session. Authors of accepted abstracts will present their work in a conference session and will be required to prepare a 500-750 word extended abstract submission in January 2024.

3. Abstract-Reviewed Poster

Please indicate in the first sentence of your abstract that you intend to prepare a

poster only (no full paper or presentation). Submit an abstract of maximum 250 words and include, as appropriate, a clear description of the objectives and motivation, relevant background, assessment plan and results (if not a WIP). It is not required to follow up with an extended abstract or a full paper in order to participate in the conference poster session.

4. Workshops

Please indicate in the first sentence of your abstract that this is a workshop proposal.

Limit your workshop description to a maximum of 250 words that clearly states the objectives, targeted audience, and learning outcomes, as well as activities planned and approximate length. Authors of accepted abstracts will present their work in a conference session and will be required to prepare a 500-750 word extended abstract submission in January 2024. Please indicate if participants need to bring supplies, such as a laptop.

5. Lightning talks

Please indicate in the first sentence of your short paragraph that this is a lightning talk proposal. A Lightning Talk is a very short presentation on a timely topic of interest to the audience. This year, we are hoping for a variety of talks on any number of subjects, including, but not limited to:

- Digital initiatives
- Partnerships
- Innovative pedagogy
- Or anything you think might be of interest to your peers.

Talks are 2-3 minutes with just 1-2 slides, followed by a group discussion. The main goals of this session are to learn what our colleagues are doing, and to generate discussions during the session and over the course of the meeting. Authors of accepted abstracts will present their work in a conference session and will be required to prepare a 500-750 word extended abstract submission in January 2024.

Format

The conference will be primarily in person but will support an online option for those who cannot attend in person. Please indicate your intended modality.

Submissions

All abstracts and workshop proposals must be submitted through the NEMO paper management system.

To submit an abstract or workshop proposal:

<https://sites.asee.org/psw/>

Consult the ASEE-PSW Conference Author's Kit for additional information and formatting guidelines for full papers.

Questions regarding the abstract and paper submission process can be directed to the 2024

Technical Program Chair, Jessica O. Perez; joperez@cpp.edu or 2024 Conference Chair, Pitiporn Asvapathanagul; pitiporn.asvapathanagul@csulb.edu

Schedule

Abstract submission opens: November 8, 2023

Abstract (250 words) submission deadline: December 1, 2023

Abstract (250 words) acceptance notification: December 15, 2023

Draft submission deadline (full papers) and extended abstract (500-750 words) deadline for presentation, workshops, lightning talks: January 22, 2024

Draft (full papers) notification: February 12, 2024

Draft revision (full papers) upload deadline: March 15, 2024

Author/Presenter Registration Deadline: March 15, 2024

Revision decision (full papers) deadline: April 1, 2024

Final paper (full papers) upload: April 18, 2024

Additional conference details and registration information will be available soon on the conference webpage: <https://sites.asee.org/psw/>