

2021 Virtual ASEE Pacific Southwest Section Annual Conference
April 23 to April 25, 2021

The American Society for Engineering Education Pacific Southwest (ASEE PSW) Section invites all to its 2021 Virtual ASEE Annual Conference - [Pushing Past Pandemic Pedagogy: Learning from Disruption](#).

Over the past year, we have had to quickly adapt to hybrid and remote teaching styles. While the transition sometimes feels chaotic, there are also lessons we are learning that have the potential to improve engineering education when we return to 100% capacity in our classrooms. This conference focuses on lessons learned in educational practice, innovation, and research in engineering education during the pandemic. All interested in engineering education are welcome.

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Conference Registration

Regular Registration (after April 1, 2021): \$75

Student Members: Free ([Students Only Alternate Registration on Google Forms](#).)

Please register through the [ASEE website](#).

1. Sign-in to your ASEE profile or [create a new profile](#).
2. Find "Upcoming Conferences"
3. Select "Registration" for the 2021 ASEE Pacific Southwest Conference - Pushing Past Pandemic Pedagogy: Learning from Disruption

[Students Only Alternate Registration on Google Forms](#)

Agenda

Conference Schedule

Friday: 9 am to 5:30 pm

Saturday: 9 am to 6:15 pm

Sunday: 10 am to 1 pm (ASEE PSW Board Meeting - All Welcome)

The full program is available [here](#).

Abstracts are available for the [paper presentations](#), [oral presentations](#), [workshops](#), and [lightning talks](#).

[Moderator Guidelines](#)

[Speaker Guidelines](#)

Featured Presentations

Research-to-Practice in Engineering Education: Scope, Partnerships, and Funding

Keynote Presentation by [Prof. Edward Berger](#), Purdue University,

Friday April 23, 9:15-10 am

Description: This presentation conveys ideas and experiences about research-to-practice (R2P) projects in engineering education. Drawing on 20+ years as a faculty member at three institutions, as well as an appointment as a National Science Foundation (NSF) program director, Prof. Berger will share his experiences of three important pieces of an overall vision: (i) the idea, scope, and resources required to execute a R2P project, (ii) the partnerships required to do so, and (iii) potential NSF funding programs aligned with the project. The idea, scope, and resources section describes considerations for how to organize and operationalize an aspiration into an actual research-inspired or research-connected project. Partnerships form the foundation of execution for many projects, and this section of the talk presents ideas and questions that can drive productive collaborations. Finally, these R2P project elements are described within the context of NSF funding programs, with alignment between the project and the NSF program being the most crucial consideration when writing a proposal. Taken together, these three components strive to give the audience a ‘framework’ for how to develop and deliver R2P projects for the benefit of their students. [Speaker Bios](#)

[Presentation Slides](#)

Two Interactive Workshops - Friday April 23 at 4:15 pm - [Workshop Descriptions](#)

Creating, Living & Sustaining Partnerships between Community Colleges and B.S.-Granting Colleges of Engineering – A Workshop on Theory, Tools & Practices

Multiple facilitators from California Polytechnic State University (Cal Poly San Luis Obispo), Allan Hancock College, Cuesta College, and STEM EVAL

Using Evidence-Based Practices in the Classroom – An Introduction to Active Teaching and Learning Geared Towards New Instructors (but useful for not-so-new instructors too)

Facilitators: Brian P. Self and Jim Widmann, California State Polytechnic University, San Luis Obispo

Practitioner’s Panel: The Impact of COVID-19 on Current & Future Engineering Practice **Panelists**

[Dr. Allyson D. Yarbrough](#), The Aerospace Corporation

[Heidi Hinrichs](#), Abbott Laboratories

Jalwat Ahmad, Caltrans

Saturday April 24, 9:15-10:00 am

[Speaker Bios](#)

Student Panel: Lessons Learned from Students during the 2020-2021 Disrupted Year

Moderator: Prof. Elisabeth Arnold Weiss (University of Southern California)

Panelists

[Doreen Joseph](#), Ph.D. Student in Computer Science (UC Davis)

[Laura Hernandez-Bassal](#), Ph.D. Student in Civil Engineering (UC Davis)

[Nathalia De Souza](#), Undergraduate Student in Aerospace Engineering (Cal Poly SLO)

[Sonia Anthoine](#), Undergraduate Student in Civil and Environmental Engineering (UC Davis)

Saturday April 24, 2:15-3:15 pm

ASEE PSW Awards Celebration - Saturday April 24, 4:45 - 6:15 pm

- ASEE Updates
- Campus Representative Awards
- Student Award
- Faculty Awards
- Closing Remarks

Other Types of Session Presentations

Paper Presentations (20 minutes/presentation - 15 minutes for the live talk and 5 minutes for Q&A). These are presentations based on full papers written by the speakers.

Oral Presentations (15 minutes/presentation - 12 minutes for the live talk and 3 minutes for Q&A). These are presentations written based on extended abstracts by the speakers.

Lightning Talks (4-5 minutes/presentation in the main room)

For the lighting talks, all speakers will have 4-5 minutes to present their ideas in the main room; there will be no questions taken in the main room. After these presentations (3-4 per session) have, each presenter will move into a separate breakout room for more in-depth conversations.

Awards

2021 ASEE PSW Section Awards

Undergraduate Student Award - [Stephanie Danielle Nelson, Northern Arizona University](#)

Graduate Student Award - [Alejandra Hormaza Mejia, University of California, Irvine](#)

Graduate Student Award - [Kelsey L. Scalaro, University of Nevada, Reno](#)

Early Career Teaching Award - [Prof. Erica Marti \(University of Nevada - Las Vegas\)](#)

Two-Year Institution Teaching Award - [Prof Nicholas Langhoff \(Skyline College\)](#)

Outstanding Teaching Award - [Prof. Wen Cheng \(California State Polytechnic University, Pomona\)](#)

Outstanding Campus Representative - Susamma (Susan) Barua, Dean of College of Engineering and Science at California State University, Fullerton

Best Paper Award - TBA

Best Diversity Paper Award - TBA

2020 ASEE PSW Awards (not presented in 2020 due to canceled conference)

Undergraduate Student Award - [Bill Mansiantima, University of California, Irvine](#)

Undergraduate Student Award - [Alizé Hall, California State University, Chico](#)

Graduate Student Award - [Alena Raymond \(University of California Davis\)](#)

Early Career Teaching Award - [Prof. Heather Bischel \(University of California Davis\)](#)

Two-Year Institution Teaching Award- [Prof. Lawrence Owens](#) (College of the Sequoias)

Outstanding Teaching Award - [Prof. Paul Nissenson \(California State Polytechnic University, Pomona\)](#)

Outstanding Campus Representative - [Prof. Paul Nissenson \(California State Polytechnic University, Pomona\)](#)

Other

Additional Information

[Moderator Guidelines](#)

[Speaker Guidelines](#)

[Zoom Overview](#)

Conference Steering Committee

Colleen Bronner, University of California Davis (Conference Chair)

David Lanning, Embry-Riddle Aeronautical University (Conference Program Chair)

Panadda (Nim) Marayong, California State University, Long Beach (Conference Program Co-Chair)

Jane Dong, California State University - Los Angeles

Paul Nissenson, Cal Poly Pomona

Brian Self, Cal Poly San Luis Obispo

Thank you for your interest in the ASEE PSW Conference!