

## State News for NSPE Members

### NSPE-CA Presents Ethics Panel Featuring NSPE Contest Winners

Prepare to navigate the ethical challenges you may encounter in your engineering career by attending this NSPE-CA ethics panel and Q&A session. In this free lunchtime virtual session on **March 25** (12 p.m.-1 p.m.), you will gain insight into navigating ethical dilemmas as two winners of NSPE's [Milton F. Lunch Ethics Contest](#) share their winning submissions.

**Linda H. Bergeron, P.E., FAIChE, CCPSC**, will present Public Health and Safety — Building Codes to Address Environmental Risk (2019). She is a senior process engineer with Occidental Chemical Corporation (OxyChem) in chlor-alkali chemical manufacturing at the Taft, Louisiana facility.

**Beth Fifield Hodgson, P.E.**, will present Public Health, Safety, and Welfare— Driverless/Autonomous Vehicle (2017). She is the principal engineer of Spring Environmental based in Spokane, Washington.



Linda H. Bergeron, P.E.



Beth Fifield Hodgson, P.E.

[Register now.](#)

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### Upcoming Society Board of Directors Meeting

All NSPE-CA members are welcome to attend the next NSPE-CA board meeting on **April 16** (3:30 p.m.-5:30 p.m). Please join us to learn more about your

association, including how you can develop your leadership skills by becoming more involved.

### **Join the Meeting**

Please join the meeting from your computer, tablet or smartphone:

<https://global.gotomeeting.com/join/215524845>

You can also dial in using your phone: United States: +1 (224) 501-3412

Meeting Access Code: 215-524-845

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## **Caltrans Releases Transportation Plan 2050**

Caltrans has released the California Transportation Plan (CTP) 2050 to provide a roadmap for achieving a safe, resilient, and universally accessible transportation system. The objective of the plan is to support vibrant communities, advance racial and economic justice, and improve public and environmental health.

By 2050, California is estimated to be home to six million new residents. Approximately a quarter of the population will be over 65, and the state will become even more racially and ethnically diverse. These and other changes will impact where people live, how they travel, and the transportation options they require to meet evolving needs and preferences.

The CTP 2050 does the following:

- Provides a unifying and foundational policy framework for making effective, transparent, and transformational transportation decisions in California;
- Addresses the varied transportation needs of urban, suburban, rural, and Tribal communities; and
- Emphasizes implementation and identifies a timeline, roles, and responsibilities for each plan recommendation.

The CTP does not contain projects, but policies and strategies required to close the gap between what the regional transportation plans aim to achieve and how much more is required to meet 2050 goals.

[Access the plan.](#)

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## **California's Future STEM Leaders**

***\$650K NSF Grant Funds First-Gen Scholar Initiative at Azusa Pacific University***

California's growing technological workforce is driving demand for qualified professionals with STEM degrees. Yet low-income, first-generation college

students interested in these career fields often encounter barriers. Azusa Pacific University is taking steps to change that with the assistance of a \$650,000 National Science Foundation S-STEM grant to recruit, retain, and graduate high-achieving, low-income, first-generation students called to make a difference as computer scientists, engineers, mathematicians, and physicists.

"This NSF S-STEM grant enables APU, a designated R2 research institution, to deepen its commitment to engaging underserved students in a high level of research with faculty members who are leaders in their industries, which translates to richer learning opportunities and better marketability upon graduation," said President Paul Ferguson, PhD, DABT. "Recruiting, supporting, and graduating the next generation of STEM professionals supports the university's strategic plan to become a university destination of choice for a diverse body of students, reflecting inclusive academic excellence."

The NSF S-STEM scholarship grant funds APU's five-year STEM scholar initiative and research study to improve college accessibility and support for promising students with demonstrated financial need who are pursuing bachelor's degrees in computer science, engineering, mathematics, and physics.

[Read more.](#)



NSPE's **Job Board** is your one-stop resource for professional engineering employment. Whether you are on the hunt for your next career move or looking for today's top engineering leaders and talent, you will find it here.

The latest California jobs are pulled from the NSPE Job Board and appear on the NSPE-CA website. New career opportunities are also posted through NSPE-CA social media profiles on [Twitter](#), [LinkedIn](#), and [Facebook](#).

### **Featured Jobs**

[Water Resources Engineer](#)

Irvine, CA

[Senior Air Quality Engineer](#)

Fresno, CA

Find more job openings or reach the right employees on the [NSPE Job Board](#).

Stay up to date on legislative issues through the [NSPE Advocacy Center](#).

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## FAA safety engineer goes public to slam the agency's oversight of Boeing's 737 MAX

Haunted by the two deadly crashes of Boeing 737 MAX jets and his agency's role in approving the plane, veteran Federal Aviation Administration (FAA) safety engineer Joe Jacobsen is stepping forward publicly to give the victims' families "a firsthand account of what the truth is." In a detailed letter sent last month to a family that lost their daughter in the second MAX crash in Ethiopia two years ago this week, and in [interviews with The Seattle Times](#), Jacobsen gave the first personal account by an insider of the federal safety agency's response to the MAX crashes. Jacobsen should have been among the FAA specialists who reviewed the MAX's critical new flight control software during its original certification, which was largely controlled by Boeing. He's confident that he and other FAA engineers would have flagged its serious design flaws.

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## Wanted: 2021 NSPE Emerging Leaders



NSPE is fostering a new generation of engineers who can think strategically, build effective teams, and lead successfully through its [Emerging Leaders Program](#). This intensive seven-month, professionally facilitated, virtual program is now accepting applications until **May 31**.

Early-career professionals with 5-8 years of experience who are just beginning to lead and think strategically in the profession are encouraged to apply. The program graduated its [first class of diverse, super achieving professionals](#) in February.

Between August 2021 and February 2022 participants will learn how to be successful at higher levels of leadership responsibility. Participants will engage in 90-minute leadership training sessions each month with learning discussions and mentoring on topics such as ownership, team development, communication skills, giving/receiving feedback, and presentation skills. There will also be ample networking opportunities with peers and national NSPE national leaders.

[Learn more and apply.](#)

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## Ethics Webinars for PEs and Those on the Licensure Path



Don't miss NSPE's upcoming ethics webinars on truthfulness and fidelity to employers and clients, with insight from Rebecca Bowman, P.E., Esq., NSPE's senior director for ethics and professional practice and NAFE executive director, and other NSPE ethics experts.

### April 7

#### [Engineering Ethics—Canon III—Truthfulness](#)

Learn from a variety of situations in which circumstances can tempt (and even encourage) engineers to dance around the edges of Canon III.

*Presenters: Hugh Veit, P.E., Susan Sprague, P.E., F.NSPE, and Rebecca Bowman, P.E., Esq.*

### May 5

#### [Engineering Ethics—Canon IV—Fidelity to Employers/Clients](#)

Examine the duties to employers and clients, and circumstances under which those duties can be pre-empted by higher duties, especially to the public health, safety, and welfare.

*Presenters: David Kish, Ph.D., P.E., Jeff Greenfield, Ph.D., P.E., F.NSPE, and Rebecca Bowman, P.E., Esq.*

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