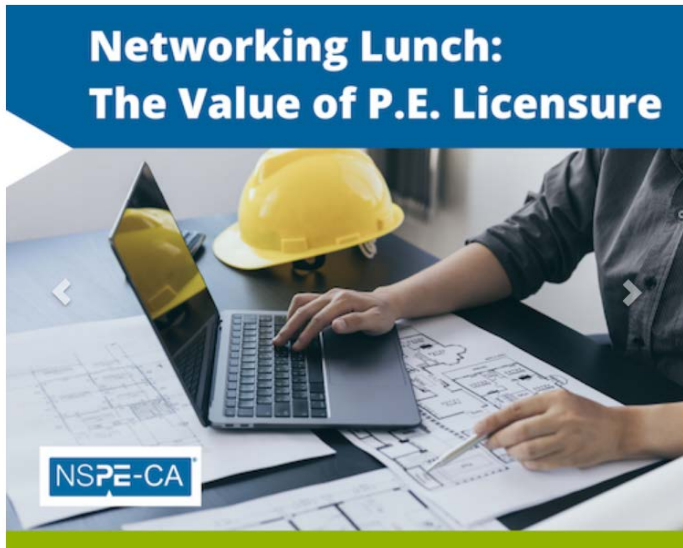


State News for NSPE Members

NSPE-CA Networking Lunch: The Value of P.E. Licensure



Join your fellow NSPE-CA members for a lunch event at the Cal Poly Pomona campus on **Friday, October 28**, at the student-run [Restaurant at Kellogg Ranch](#). There is no registration fee for NSPE-CA members and prospective members.

NSPE-CA Vice President **Mike Ozatalar, P.E.**, will provide a presentation on the value of professional licensure. Ozatalar is currently a manager of engineering at Parsons Corporation.

Members of the IEEE – Foothill Section, ASME – Cal Poly Pomona Student Chapter, and SWE Los Angeles Professional Section will also be participating in the event.

Registration ends on Friday, October 21, at noon. Access the registration [here](#) (promo code NSPECA54).

Connect with Your Community

NSPE-CA members now have more opportunities to connect and learn through in-person events. Registration is also open for an [Instrumentation and Process Control](#) event on **Thursday, November 3**, at the Phoenix Club, Anaheim.

Here are other events in the 2022-23 schedule.

- November 18 — Diversity, Equity, and Inclusion Presentation (Online)
- December — Joint Event with IEEE in Los Angeles Metro Area
- January — Social Event with SWE in Southern California
- February — National Engineers Week Events in San Diego
- March — College Campus Visit to Promote PE Licensure

As we finalize dates and other details—including registration—we will be adding these events to the NSPE-CA Events listing on the nspe-ca.org home page.

Help Create the NSPE-CA Events You Want to Attend

The NSPE-CA Events Task Force is seeking additional members who are interested in helping the Task Force create events for California members, both in-person and online. If you want to help build community among our membership, email Executive Director Jeanne Marie Tokunaga at admin@nspe-ca.org to be invited to an Events Task Force meeting in November.

'Water Batteries' Could Store Solar and Wind Power for When It's Needed

The San Diego County Water Authority has an [unusual plan](#) to use the city's scenic San Vicente Reservoir to store solar power so it's available after sunset. The project, and others like it, could help unlock America's clean energy future, [NPR reports](#).

Perhaps a decade from now, if all goes smoothly, large underground pipes will connect this lake to a new reservoir, a much smaller one, built in a nearby canyon about 1100 feet higher in elevation. When the sun is high in the sky, California's abundant solar power will pump water into that upper reservoir.

It's a way to store the electricity. When the sun goes down and solar power disappears, operators would open a valve and the force of 8 million tons of water, falling back downhill through those same pipes, would drive turbines capable of generating 500 megawatts of electricity for up to eight hours. That's enough to power 130,000 typical homes.

"It's a water battery!" says Neena Kuzmich, deputy director of engineering for the water authority. She says energy storage facilities like these will be increasingly vital as California starts to rely more on energy from wind and solar, which produce electricity on their own schedules, unbothered by the demands of consumers.

[Read more.](#)

Decarbonization Leads to More Equable Air Quality in California

As Californians work toward a publicly stated goal of carbon neutrality by 2045, residents stand to reap such additional benefits as cleaner air, widespread improvements in public health and related cost savings, according to researchers at the University of California, Irvine. But the extent to which these plusses will be shared by all stakeholders, including historically underserved communities, remains a matter for debate.

The UCI [Advanced Power and Energy Program](#) researchers quantified the health co-benefits of different decarbonization scenarios in a recently [published paper](#). They demonstrated that while greener buildings would provide a roughly 15% improvement in health outcomes for the broad state population, elimination of greenhouse gases (and other forms of air pollution) from heavy-duty, over-the-road trucking would more directly benefit low-income Californians who live and work in closer proximity to the state's ports, industrial facilities, and highways.

"Socially and economically disadvantaged communities are disproportionately impacted by air pollution," said senior co-author Scott Samuelsen, a founding director of APEP and UCI professor of mechanical, aerospace, and environmental engineering. "As California commits to a carbon-neutral future, it's prudent to assess the effect of climate policy on urban air quality for the general population and, especially, disadvantaged communities." [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

[City Engineer](#)

Hollister, CA

[Deputy Director of Public Works](#)

Redwood City, CA

[Software Engineer](#)

Mountainview, 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](#).

Mark Your Calendar for Engineers Week 2023

Founded by NSPE in 1951, [Engineers Week](#) (February 19–25, 2023) is dedicated to ensuring a diverse and well-educated future engineering workforce. The latest theme for Engineers Week seeks to inspire the next generation by celebrating all the way engineers are **Creating the Future!** Engineers play a vital role in innovating solutions to global challenges that impact future generations. By working together to develop new technologies, products, and opportunities, engineers create new possibilities that make the world a better place.



Engineers Week is a time for you to:

- Celebrate how engineers make a difference in our world.
- Add your voice to the conversation about the need for engineers, technicians, and technologists.
- Engage students in engineering.

[Access promotional resources.](#)

DiscoverE Outreach Grants

Don't miss your chance to fund your events for Engineers Week and Introduce a Girl to Engineering Day.

There are \$250-\$1000 grants available:

- [Bell Girl Day grants](#) for girl-centered programs

Engineers Week grants for underserved students

The deadline to [apply for the grants](#) is November 4.



Workability Wednesdays Webinars

The fall series of [Workability Wednesdays webinars](#) recently launched with a webinar on [What Separates Good Engineers From Great Engineers](#). The series is free for NSPE members and covers topics impacting the industry and helps to enhance your competencies in the profession.



Upcoming Webinars

- [How Blockchain Protects Public Safety: A Working Solution](#) (October 26)
- [Navigating the Ethical Dilemmas that Arise in Everyday Engineering Practice](#) (November 16)

If you missed the spring lineup of Workability Wednesdays webinars, you can still [view the recordings](#) and receive PDH credit.

Last Call for FEYA Nominations

Nominations for the Federal Engineer of the Year Award are open until **October 31**. The award, sponsored by the Professional Engineers in Government, honors engineers employed by a federal agency that employs at least 50 engineers worldwide.

The FEYA ceremony is scheduled for February 24, 2023, at the National Press Club in Washington, DC. Tickets will be available for sale in January.

Nominations must be made by the federal agency. Access the application [here](#).



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