

State News for NSPE Members

Registration Open: Engineers Week Finale Banquet 2022



Registration is now open for the **National Engineers Week Finale Banquet** on **Saturday, May 7**, at the Gold Coast Hotel & Casino in Las Vegas. **The last day for registering for the banquet is Friday, April 15.** Access the registration form [here](#).

The event will begin with an Order of the Engineer ceremony (5p.m.), followed by hosted cocktails (6 p.m.), dinner/awards (7 p.m.), and an after party. Modern Victorian or Alice in Wonderland character attire is encouraged ([see the event invitation for details](#)).

Sponsorship opportunities are also available for the banquet. Access sponsorship information [here](#).

NSPE-NV Meeting Recap—The Basic Criteria for Designing Box Culverts

On March 15, NSPE-NV held an in-person/virtual meeting featuring **Josh Beakley, P.E.**, the vice president of engineering for the American Concrete Pipe Association. Beakley shared with attendees his expertise on research and design for the precast concrete culvert industry and criteria for design box culverts.

Meet the Presenter—Josh Beakley, P.E.



Josh Beakley is vice president of engineering for the American Concrete Pipe Association (ACPA) and is a registered professional engineer in Virginia. He received his bachelor's degree in civil engineering from Rutgers University in New Jersey, and a master's degree in geotechnical engineering from the University of Texas at Arlington.

Prior to joining ACPA in 1994, Beakley worked as a civil engineer for the Bechtel Power Corporation. In his job functions for the association, Beakley represents the industry on national standards making committees. He also coordinates research and design programs for the precast concrete culvert industry. Occasionally, he assists engineers with the design and specification of precast concrete pipe and box culverts as well as performing educational seminars.

Beakley is a member of ASCE, ACI, ASTM, and participates in AASHTO functions. He is a Spangler Award Winner, and an Award of Merit Honoree of ASTM, as well as a Heger Award Honoree of ACPA. He was also an ASCE Outstanding Reviewer in 2020 for the ASCE Journal of Pipeline Systems Engineering and Practice.

Thanks to Our Sponsor! American Concrete Pipe Association



American **Concrete Pipe** Association

Mobile Market Distribution Project

The **Mobile Food Market** distribution project will take place on **Saturday, March 19** (7:45 a.m.-11 a.m.) at **Canyon Springs High School** (350 E Alexander Rd, North Las Vegas, NV 89032).

If you can volunteer, please send an RSVP to Brook Demitropoulos [via email](#) or call 702-336-9896. If you can't make it to this location, you can still [register online](#) for a different location.

Inspiring the Next Generation During Engineers Week

NSPE-NV members took the opportunity to reach out and engage with the future of the profession with **Introduce a Kid to Engineering Day** activities (Feb 19 & 26) at UNLV. Attendees received an introduction to engineering by participating in a "Pop Fly Catapult" activity and by building Arch Bridges and K'Nex structures. Thank you to members of the Engineers Week committee and volunteers for making this outreach possible!



Support Local Engineering Scholarships and STEAM Outreach

NSPE-NV Southern Nevada Chapter donates to local engineering scholarships and STEAM outreach in local schools. With your support and generous donation of \$10, we can ensure the continuation of making these opportunities possible for our local students and engineering community members.

A donation is optional, but would be greatly appreciated! Click [here](#) to donate.

Thank you for your patience and understanding as this will be a new process for many of us. Please feel free to contact us with any questions [via email](#).

Licensing Board Meeting

The [Nevada Board of Professional Engineers & Land Surveyors](#) will hold an PLS Standards of Practice Committee meeting on **Thursday, March 17**, at 2 p.m. The meeting agenda can be access [here](#). The meeting can be [attended virtually](#) or by dialing into the meeting: +1 669 900 6833, Meeting ID: 8286438008



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.

NSPE provides the tools PEs need to keep current in the profession and advance their careers.

Featured Jobs

[Transportation Graduate Engineer](#)

Las Vegas, NV

[Senior Power Facilities Engineer](#)

Las Vegas, NV

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](#).

Meet the 2022 Federal Engineer of the Year



Robert Zueck, Ph.D., P.E., was named NSPE's [Federal Engineer of the Year](#) during a [virtual awards event](#) on February 24 for his discoveries and contributions in the engineering field. The Federal Engineer of the Year Award, sponsored by the Professional Engineers in Government, honors engineers employed by a federal agency that employs at least 50 engineers worldwide.

Zueck works in the US Department of the Navy's Naval Facilities Engineering Systems Command (NAVFAC), Expeditionary Warfare Center at Port Hueneme, California. He is heralded for applying his vibration research to military defense projects for which engineers can now design beyond the speed, agility, and stealth limitations of many military sensors, weapons, and platforms.

"Every success for me has come out of the hard teamwork of many fellow engineers and scientists," Zueck stated. "I thank them all—particularly those who provided valuable constructive criticism of my rather unique research results."

In a basic research project conducted several years ago, Zueck discovered how geometrically complex vibrations initiate, grow, and sustain themselves, often limiting higher performance for many combat systems. He used this new vibration knowledge to improve the Expeditionary Warfare Center's modeling capability for designing, analyzing, and deploying towed sensors, ship moorings, sub-sea arrays, and other slender naval structures.

"This basic science discovery could be very useful for modeling, simulating, and testing in many other fields of engineering and science," he said.

[Read more.](#)

Mark Your Calendars: 2022 Professional Engineers Conference



August
1-3
2022
Philadelphia, PA
Sheraton Philadelphia
Downtown

The 2022 NSPE [Professional Engineers Conference](#) will bring together professional engineers across disciplines from August 1–3, in Philadelphia at the Sheraton Philadelphia Downtown. Registration for the conference opens in April.

PECON attendees can access specialized content from experts as they discuss issues and trends impacting the profession, develop power skills and life skills not taught in school, and advance their careers by expanding their expertise and preparing for future developments in the industry.

The seventh annual [PE Day](#) will coincide with the conference's culmination on August 3. These two events allow PEs to join their peers in celebration of the profession and advocacy for licensure.

NSPE will continue to monitor health and safety guidelines while we proceed toward hosting this in-person event.

2022 NSPE Student Scholarships Available

Students can apply for the 2022 NSPE Education Foundation scholarships through a new [online submission platform](#). The following scholarships have an **April 1** application deadline:

The [Maureen L. and Howard N. Blitman, P.E., Scholarship to Promote Diversity in Engineering](#) is awarded annually to a high school senior from an ethnic minority who has been accepted into an ABET-accredited engineering program at a four-year college or university.

The [Auxiliary Legacy Scholarship](#) is awarded annually to a female undergraduate entering or continuing their junior year of a four-year ABET-accredited engineering program.

The [Steinman Scholarship](#) is awarded annually to undergraduates entering or continuing their junior year in a four-year ABET-accredited engineering program.

The [George B. Hightower, P.E. Fellowship](#) is awarded annually to a current engineering undergraduate or graduate student who is enrolled in, or graduated from, an ABET-accredited engineering program.

Coming soon! The [Swadesh and Om P. Popli, P.E., P.L.S. Scholarship](#) will be a multi-year scholarship, providing \$5,000 each year for the recipient's four-year education. Applicants must be a female high school senior from an ethnic minority pursuing a degree in engineering at an ABET-accredited program.

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