

State News for NSPE Members

Upcoming NSPE-NV Meeting: Update on the Horizon Lateral Project

NSPE-NV will hold an in-person luncheon meeting on **Tuesday, February 21** (11:00 a.m. to 1:00 p.m.) featuring a presentation by Adriana Ventimiglia to provide an update on the Horizon Lateral project in the Las Vegas Valley. A virtual attendance option is available (must register by February 17). Access meeting information and registration [here](#).

Meet the Presenter – Adriana Ventimiglia



Adriana Ventimiglia, a senior program engineer with the Southern Nevada Water Authority, has more than 20 years of professional civil engineering experience in engineering design, construction management, project permitting, and inter-agency coordination for municipal and private entities. Ventimiglia is currently leading the SNWA's engineering program for the Horizon Lateral, a large-diameter transmission pipeline that will increase service reliability to the southern portion of the Las Vegas Valley.

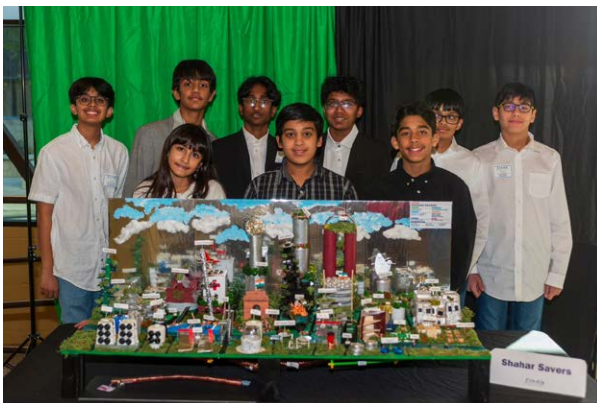
Thanks to our Sponsor!

SNV Region 2023 Future City Competition Recap

The [SNV Region 2023 Future City Engineering Competition](#) was held at the College of Southern Nevada on January 21. NSPE-NV, ASCE, and the Las Vegas Valley Water District (LVVWD) helped to coordinate more than 35 volunteers from engineering firms, local entities, and engineering personnel in the Las Vegas Valley to offer over 300 hours of volunteer service to prepare and hold the competition. This was the first in-person event since 2019.

Over 120 students from different middle schools, which included Hyde Park, Las Vegas Day School, Saville, and Faiss, participated in the competition. Hyde Park brought over 95 students to the competition and pulled off a last round upset to take the first-place prize. Their winning team, Shahar Savers, are heading to Washington, DC, for the Finals Competition that will take place during this year's Engineers Week celebration.

Thanks a million to all those who donated precious time from their personal schedules to help these youth extend their knowledge of the engineering design process and project management skills!





Save the Date: 2023 Engineers Week Finale Banquet

This year's **Engineers Week Finale Banquet** will be held on **Saturday, May 13** (starting at 6:00 p.m.) at the Orleans Hotel & Casino. The banquet will be followed by an afterparty. Stay tuned for more information on the NSPE-NV [website](#).

NSPE-NV MATHCOUNTS Activities and Events

Call for MATHCOUNTS Graders!

NSPE-NV needs 20 volunteers for exam grading on **Saturday, March 25**, at the UNLV School of Engineering (SEB) from 9:00 a.m. to 12:00 p.m. Not to fear...no experience is necessary and answer keys will be provided!

Volunteers will receive a t-shirt and there will be plenty of snacks and fun for all! Please send an RSVP to Brook.Demitropoulos@Jacobs.com to volunteer.

Save the Date: MATHCOUNTS Sporting Clays Tournament & Fundraiser

The MATHCOUNTS Sporting Clays Tournament & Fundraiser (a 50-clay shoot) will take place on **Friday, May 5**, at the Pro Gun Club located in Boulder City. Food and beverages will be provided by a taco food truck. Stay tuned for more event and registration details!

State Licensing Board Meetings

The [Nevada State Board of Professional Engineers and Land Surveyors](#) has meetings scheduled on **Wednesday, March 8** (Professional Association Liaison Committee) and on **Thursday, March 9** (board meeting). Access meeting and virtual attendance information [here](#).

Nevada Company Gets \$2 Billion to Expand Battery Recycling Shop

A Nevada business has received a conditional loan commitment of \$2 billion from the Department of Energy to expand its battery recycling facility, [The Center Square reports](#).

Carson City-based Redwood Materials takes batteries from mobile phones, laptops, and other electronic waste and remanufactures them into the components for electric vehicle (EV) batteries.

"Redwood will draw upon this milestone-based financing in tranches that support our phased construction and allows us to unlock funding as we accelerate the construction and expansion of our first battery materials campus," said Redwood Materials on its website.

While he said in the State of the Union that the US would need oil and gas for the next 10 years, President Biden has been pushing for EVs and the domestic manufacturing of components needed for EVs and batteries.

Approximately 3,500 construction jobs are expected for McCarran's Redwood Materials expansion project. One thousand six hundred full-time jobs will be created for areas including labor, technical staff, and management. [Read more](#).

Project Aims to Help Communities Better Handle Wildfires, Other Natural Disasters

A newly launched interdisciplinary project headed up by University of Nevada, Reno's College of Engineering aims to collaborate with local organizations, and eventually citizen scientists, to study environmental conditions. Data gathered through the project called Elements: Innovating for Edge-to-Edge Climate Services can help communities better handle wildfires and other natural hazards, [Nevada Today reports](#).

Computer Science & Engineering Professor Sergiu Dascalu leads the project, which involves installing temperature, snow and soil sensors in populated and wildland areas in the Tahoe Basin. The sensors will connect to new secure gateways on the existing Nevada System of Higher Education NevadaNet data network and in partnership with the Nevada Seismological Laboratory's science network and regional ALERTWildfire fire camera system.

Dascalu and his interdisciplinary team of engineers and environmental scientists will build a new, trusted technology platform for signing up sensors, transferring the data and for visualizing and analyzing the data.

The whole system will then be tested on a new Nevada weather "edge-to-edge" platform, or NevWx, which will be developed as part of the project. "Edge to edge" refers to the continuum of data collection — from the gathering of information to the data processing to the distribution to the public. [Read more.](#)

Are You Ready to Lead Within NSPE-NV?

NSPE-NV is seeking individuals to serve as vice president at the Southern Nevada chapter level and secretary for the state society/foundation boards.

Please contact Trisha Sakaguchi (Trisha.Sakaguchi@atkinsglobal.com), Christian Herrera (Christian.Herrera@swgas.com), Martin Jensen (MJensen@UniversalEngineering.com) or Bob Thomsen (Bob.Thomsen@gesnevada.com) if you are interested.



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

[Electrical Engineer, P.E.](#)

Las Vegas, NV

[Senior Maintenance 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 FEYA Top 10 Finalists

NSPE is pleased to announce the 10 finalists for the [2023 Federal Engineer of the Year Award](#), honoring engineers employed by a federal agency with at least 50 engineers worldwide. All have made extensive contributions to their organizations and also to the public that PEs ultimately serve.

The winner of this year's award will be announced during a ceremony at the National Press Club in Washington, DC, on February 24, and will be selected from the following finalists.

- **Stephen Craven, Ph.D., P.E.**, electrical engineer, networks/WAN specialist; Tennessee Valley Authority
- **Steven C. Dunn, Ph.D., P.E.**, electrical engineer; General Services Administration Public Buildings Service
- **Maj. Dustin L. Gooden, P.E., PMP, LSSBB**, chief, strategic basing corporate branch; US Department of the Air Force, Headquarters US Air Force
- **Chad C. Hogan, P.E.**, lead engineer; US Department of the Air Force, Air Force Material Command
- **Capt. Jeneé A. Jagoda, P.E., PMP**, engineering flight commander; US Department of the Air Force, Air Force Global Strike Command
- **Capt. Christopher C. Jankowski, P.E., PMP, ENV SP**, chief of operations engineering; US Department of the Air Force, Pacific Air Forces
- **Andrew R. Lawrence, P.E.**, salvage engineering response team principal architect; US Department of Homeland Security, US Coast Guard
- **Nicholas Brian Melly, P.E.**, fire protection engineer; US Nuclear Regulatory Commission
- **Dr. Brandon L. Toliver, P.E.**, branch chief, basing and beddown; US Department of the Air Force, Air Force Installation & Mission Support
- **Brian R. Wybrecht, P.E.**, civil engineer; US Department of the Army, US Army Europe and Africa



NATIONAL SOCIETY OF
PROFESSIONAL ENGINEERS

FEDERAL ENGINEER OF THE YEAR



Stephen
Craven, Ph.D., P.E.



Steven C.
Dunn, Ph.D., P.E.



Major Dustin
Gooden, P.E., PMP,
LSSBB



Chad C.
Hogan, P.E.



Captain Jeneé A.
Jagoda, P.E., PMP



Captain Christopher C.
Jankowski, P.E., PMP,
ENV SP



Andrew R.
Lawrence, P.E.



Nicholas Brian
Melly, P.E.



Dr. Brandon
Toliver, P.E.



Brian R.
Wybrecht, P.E.

Congratulations to the 2023 Top 10 Finalists!

2023 Lineup of 15 Free PDHs Are Available

NSPE membership offers the benefit of access to 15 on-demand webinars. This year's webinars address various topics of interest to professional engineers including ethics, emerging technologies, construction projects, and licensure. Upon successful completion of each webinar quiz (with a passing score of 70% or higher), the quiz taker will receive an attendance certificate with the appropriate credits earned for that session. [Access the free webinars](#).

2022 NSPE Scholarship Winners

The NSPE Education Foundation awarded several scholarships to support talented students pursuing engineering degrees in ABET-accredited programs.

Auxiliary Legacy Scholarship

Leah Griesmer, from Broadview Heights, Ohio, is studying mechanical engineering at the University of Cincinnati.

Katelyn King, from Basking Ridge, New Jersey, is studying biomedical engineering at the University of Michigan, Ann Arbor.

Maureen L. and Howard N. Blitman, P.E., Scholarship to Promote Diversity in Engineering

Sebastian Rodriguez, of Cincinnati, Ohio, is attending Carnegie Mellon University to study mechanical engineering.

The George B. Hightower, P.E. Fellowship

Tyler Kleinsasser is a graduate student at the South Dakota School of Mines and Technology in Rapid City, South Dakota.

Swadesh and Om P. Popli, P.E., P.L.S. Scholarship

Eli Ordaz is studying civil engineering at Brigham Young University.

Steinman Scholarship

Kathleen Abrams is attending the University of South Carolina, majoring in biomedical engineering.

Michael Chavez is studying electrical engineering, with an emphasis on renewable energy, at the University of Nevada, Reno.

Jake Schneider, of Fort Thomas, Kentucky, is pursuing his degree in civil and environmental engineering at the University of Louisville.

Lindsay Steis, of Ridgway, Pennsylvania, is attending Gannon University, majoring in environmental engineering.

Jonathan Windham, of Sumrall, Mississippi, is pursuing an electrical engineering degree at Mississippi State University.

The 2023 Scholarship Season Opens

The NSPE Education Foundation is [now accepting applications](#) for the 2023 scholarship season through an online submission platform. The application deadline is **April 1**.

Congratulations to the 2022 Scholarship Winners!



Kathleen Abrams
Steinman Scholarship



Mike Chavez
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Leah Griesmer
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Steinman Scholarship

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