

State News for NSPE Members

NSPE-AK March Statewide Meeting

Today (**March 18**), the Alaska Society of Professional Engineers will host its March Statewide Presentation Meeting at 12 p.m. ADT (1 PM PDT) via Zoom. Our guest speakers will be the Arroyo Canyon Bridge team advisor University of Southern California **Professor Scott Mitchell** along with project leader **Adan Macias** whose student team designed this amazing bridge and led the robotic fabricators who built the highly complex structure.

This project was featured in a recent *Engineering.com* article entitled [Collaboration Between Robots and Humans Makes Complex Bridge Building Easier](#). Please check out the background of this fascinating design and see pictures of the robotically built structure in which absolutely none of the joints have right angle corners.

Join Zoom Meeting

[https://us02web.zoom.us/j/9076944730?](https://us02web.zoom.us/j/9076944730?pwd=Y2pjSDNuSIMwUzZTK2pPdXNGazNXUT09)
[pwd=Y2pjSDNuSIMwUzZTK2pPdXNGazNXUT09](https://us02web.zoom.us/j/9076944730?pwd=Y2pjSDNuSIMwUzZTK2pPdXNGazNXUT09)

Meeting ID: 907 694 4730

Passcode: ASPE

One tap mobile

+16699009128,,9076944730#,,,,*454196# US (San Jose)

+12532158782,,9076944730#,,,,*454196# US (Tacoma)

Juneau Engineer Graduates with NSPE's First Emerging Leaders Class

Congratulations to **Haley Michael, E.I.T.**, who recently graduated as a part of NSPE's first class of diverse, super achieving professionals in a unique leadership development program.

NSPE is fostering a new generation of engineers like Haley Michael who can think

strategically, build effective teams, and lead successfully through the [Emerging Leaders Program](#). The ELP is an intensive seven-month, professionally facilitated, virtual program for early-career professionals.



She currently works on the environmental engineering staff for NORTECH Inc., an Alaska engineering firm serving environmental, energy, and health and safety clients. Having earned her EIT certification after graduating from Northern Arizona University, Michael is earnestly preparing for engineering licensure within the next two years.

Her passion for environmental engineering is not an understatement. As one of the few female engineering students in NAU's honors program, Michael moved across the country to Alaska to pursue her dream. At NORTECH, she manages many different responsibilities from providing client services to community outreach.

[Learn more about Haley Michael, E.I.T.](#)

Alaska DOT Expects Busy 2021 Construction Season in Central Region

Alaska Department of Transportation & Public Facilities (DOT & PF) Central Region is expecting a busy construction year, awarding up to \$420 million dollars' worth of construction contracts, including airport, trail, and highway improvements.

The Alaska Department of Transportation and Public Facilities oversees 237 airports, 10 ferries serving 35 communities, more than 5,600 miles of highway and 776 public facilities throughout the state. Maps of highway projects expected to go to construction in 2021 are here: [Anchorage](#), [Mat-Su Valley](#), and [Kenai Peninsula](#).

Central Region DOT & PF covers a large section of Alaska's rail belt, including the Mat-Su Valley, Anchorage, and Kenai Peninsula, as well as a large portion of Western Alaska including Bethel, Dillingham, and the surrounding census areas.

According to the Institute of Social and Economic Research, construction is Alaska's third largest industry, paying the third highest wages, employing well over 10,000 workers, and contributing billions to Alaska's economy.

[Read more.](#)

Energy Transition in the Transitioning North

Transition is nothing new in the Arctic. People in this part of the world have adapted to the changing conditions for millennia, altering the ways in which they get heat, transport themselves to other areas and—more recently—generate and use electricity.

Today, several Alaskan utility companies are using the world's transition to renewable forms of energy as an opportunity to find innovative ways to reduce dependence on carbon fuels. George Roe, director of the Arctic Energy Office, outlines how these entities are harnessing and carefully managing local resources and providing new ways to power homes and businesses across the region.

[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.

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

Featured Job

[Control Systems Engineer](#)

Ketchikan, AK

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](#).

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.

Interested in article summaries like this one? Be sure you're subscribed to NSPE's [Daily Designs newsletter](#), delivered to your in box each morning, Monday through Friday.

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.](#)

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.

You received this e-mail because you are subscribed to *PE Matters* e-newsletter.

To update your e-mail address, visit www.nspe.org and login to manage your account.

If you do not wish to receive any more issues of *PE Matters*, [click here to unsubscribe](#).

Share with your network



**National Society of Professional Engineers | 1420 King Street | Alexandria, VA
22314**

