

February 2018

# ALASKA CAPITAL ENGINEERS

## Upcoming Events

- February Luncheon (2/14/18) –  
Location: Hangar Ballroom  
(not AEL&P), Chris Birch
- March Luncheon (3/14/18) –  
Location: Back at AEL&P,  
Speaker TBD

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## November Menu Lunch Buffet

February 14, 2018  
Catering by Hangar On The Wharf  
\$20 per person (not \$15)  
Hangar Ballroom (not AEL&P)

Contact Mike Story to submit ideas for  
luncheon Speakers



# NSPE-Alaska President's Message

Hello fellow Alaska Capital Engineers,

I am writing you as the Statewide NSPE-Alaska Chapter President about the exciting and event-filled February ahead of us and to let you know a little about myself.

I am a born and raised Alaskan that has lived and worked in Juneau since January of 2000. I graduated from UAF in 1999 with a BSME. I am currently employed as a Contract Mechanical Engineer with the USCG at CEU Juneau office. Back in 2001-2006 I was involved in the local and state society and rotated through the officer positions. I returned to NSPE-Alaska chapter a couple year ago to fill the Statewide President Elect position and am thoroughly enjoying working with the Society and the local chapter again.

February is a very active month for ASCE/ACE/APDC/NSPE-AK and the engineering community of Juneau and statewide. Here are some highlights, so mark your calendars.

February 7 we kick off the month with the APDC Legislative fly-in: We will be joining them at the Hangar on the Warf for lunch and listen to Representative Chris Branch PE. From his bio " His professional experience coupled with his service on the Assembly, along with many other community organizations in Fairbanks and Anchorage, have been instrumental in preparing him to offer the leadership, budget discipline, and experience necessary to move our state forward in challenging times."

There will be many receptions and events with the fly-in and the ASCE Statewide meetings. See more details in the newsletter.

(continued on the following page)



**Juneau Chapter**

*Alaska Society of Professional Engineers*

# NSPE-Alaska President's Message (Continued)

(continued from the previous page)

Following the local chapter Mathcounts competition: See Doug Murray for ways to help with this event and see these mathletes compete.

On Feb 19-24 is Engineer's Week again more details in the newsletter. There are numerous ways you can volunteer and support this chance to get together and celebrate our profession and support local engineering students scholarships. Some of the ways, sponsor a table, provide a door prizes for the event, donate money to the scholarship fund, volunteer for engineer classroom visits, and get those Engineer of the Year and Project of the Year Nominations in. And finally get your tickets from a local officer. Show up and network with your local engineering community and celebrate this profession we call Engineering.

Another event is the wonderful national engineer road show "Discover Engineering" with interactive display and chance to interact with youth about the jobs we do every day. This is at the Mendenhall Library through April. There are numerous ways we engineers can support the road show activities.

There are a lot of exciting activities to be involved in and help show how engineers contribute to their Profession and to the community. I urge you to stay active, involved and connected.

See you around town during this busy time of year.

Sincerely,  
Leora A. Houtary, PE  
NSPE-AK Statewide President



**Juneau Chapter**

*Alaska Society of Professional Engineers*

# February Luncheon

## Representative Chris Birch – Hangar Ballroom (not AEL&P)



Representative Chris Birch's family has a proud history here in Alaska beginning in 1944, when his father, Frank Birch, served in the US Marine Corps, stationed in Adak. After the war, Frank returned to Alaska with his wife, Bettijeanne, where he worked as a mining engineer and she as a geologist.

Growing up in mining camps near Fairbanks and the Brooks Range, Chris chose to follow in his father's footsteps, earning a Bachelor's degree in Mining Engineering from the University of Alaska Fairbanks in 1972 and a Master of Science degree in Engineering Management in 1979. As a licensed professional engineer, he has had broad experience in both public and private sector business operations and management.

This professional experience coupled with his service on the Assembly, along with many other community organizations in Fairbanks and Anchorage, have been instrumental in preparing him to offer the leadership, budget discipline, and experience necessary to move our state forward in challenging times.



# Alaska Professional Design Council's Annual Legislative Fly-In

## Tuesday, February 6

1:00 pm - ASCE Board Meeting, Port Office

## Wednesday, February 7

11:30 am – ACE Luncheon with Representative Chris Birch, Hangar Ballroom

6:30 pm - Alaska Infrastructure Report Card, Mendenhall Valley Public Library

## Thursday, February 8

11:30 am - Chamber of Commerce Luncheon with Governor Walker, Hangar Ballroom

5:00 pm - Happy Hour, Buoy Deck

6:30 pm - Engineering in a Disaster Zone, Mendenhall Public Library



# Engineers' Week Awards and Scholarship Banquet

Westmark Baranof Hotel, Treadwell Ballroom, February 24, 5:30 pm

## Presentation of Project and Engineer of the Year Awards

Keynote Speaker TBD

Cocktail Hour @ 5:30 pm; Dinner @ 6:30 pm

Individual tickets \$50

Table of eight \$350

Company sponsorships recognized at \$100, \$250 and \$500 levels

Help raise money for scholarships awarded to local high school seniors pursuing engineering vocations.

Contact Ethan Roemeling for tickets or more information (EthanRoemeling@pdceng.com)



## Menu

**Carving Station** (Smoked Brisket With homemade barbecue sauce and apple horseradish sauce)

**Smoked Barbecue Chicken** (Smoked chicken thighs smothered in delicious homemade barbecue sauce)

**Baked Pork Beans, Macaroni and Cheese, Potato Bar, Or**

**Potato Salad, Cole Slaw, Cornbread Muffins,**

**Warm Apple Cobbler topped with French Vanilla Ice Cream**





# Alaska Infrastructure Report Card

**Mendenhall Valley Library; Wednesday, February 7<sup>th</sup>, 6:30 pm**



In February 2017, the American Society of Civil Engineers Alaska Section released a report card rating Alaska infrastructure at a C-. This report card covers airports (C), bridges (B-), ports and harbors (D), and more. Come learn about the condition of Alaska and national infrastructure, and what we can do to advance solutions.

Presenters: Greg Kinney is a Professional Civil and Mechanical Engineer who has worked as a Project Engineer at Alyeska Pipeline Service Company since 1989. He currently serves as ASCE Governor covering Region 8, which includes Alaska, and is a past ASCE Anchorage Branch and Alaska Section President. Tor Anderzen, PE, is a Senior Aviation Engineer and leads the Airports Group at HDL Engineering Consultants, LLC. He has 12 years of airport planning and design experience, is a licensed Professional Civil Engineer and currently serves as the ASCE Alaska Section Vice President.



# Engineering in a Disaster Zone: FEMA Deployment to Hurricane Harvey and the Oso Mudslide

**Mendenhall Valley Library; Thursday, February 8, 6:30 pm**



How do engineers respond when things go wrong? Fred Nelson will provide insight from a structural engineer acting in the capacity of a FEMA responder to the catastrophic loss of life at the 2015 Oso mudslide in Washington, and the recent response to Hurricane Harvey in Texas.

Presenter: Fred Nelson is a Professional Civil and Structural Engineer who is the VP and Forensic Department Director at the engineering firm of Gervasio & Associates in Phoenix. He is currently the Alaska Society of Civil Engineers Region 8 Governor representing the Alaska Section.





# Juneau's Seawalk

**Mendenhall Valley Library; Tuesday, February 20, 6:30 pm**



The Long Range Waterfront Plan (LRWP) was adopted by the Juneau assembly in 2004 where a 1.8 mile seawalk was identified as a top priority. The most recent segment to be constructed extends from Douglas Island Bridge to Gold Creek, and focuses on Environmental Education. The project includes a 2.7 acre habitat island with approximately 1,000 feet of elevated deck and 350 feet of pathway across the island. Come learn about the design and development of the seawalk, and what will be coming next.

Presenter: Don Beard is a licensed civil engineer who works as a senior project manager in Tetra Tech's Juneau office.



# News Briefs



## Remembering Chief Engineer of Golden Gate Bridge

January 9, 2018

January marks the anniversary of the birth of structural engineer Joseph Strauss, most noted as chief engineer of the Golden Gate Bridge, but deserving of recognition for his innovation in the advancement of bascule bridges and other patents during the first quarter of the 20th century.

[Read more >>](#)

## Crane Standard Delays and Certification: A History

January 19, 2018

"Individuals and companies involved in construction need to know what is expected of them, and the money invested in operator certification is a good investment in accident reduction and more productive operations."

[Read More >>](#)



# National Engineers Week

February 18 to 24



In the United States, National Engineers Week is always the week in February which encompasses George Washington's actual birthday, February 22. It is observed by more than 70 engineering, education, and cultural societies, and more than 50 corporations and government agencies. The purpose of National Engineers Week is to call attention to the contributions to society that engineers make. It is also a time for engineers to emphasize the importance of learning math, science, and technical skills.

The celebration of National Engineers Week was started in 1951 by the National Society of Professional Engineers in conjunction with President George Washington's birthday. President Washington is considered as the nation's first engineer, notably for his survey work. The results of the Federal Engineer of the Year Award are announced during the week. (Wikipedia)

# Discover Tech at the Mendenhall Valley Library

**January 10 to April 6**

In addition to the exhibit, the library will be putting on programs and events for all ages geared around STEM topics. These include coding classes, a Lego cantilever exercise, science book clubs, family nights, and more. Juneau Public Libraries is working closely with the Juneau School District to facilitate a school field trip for all 92 elementary school classrooms. Each field trip will consist of time to explore the exhibit, plus a hands-on, grade appropriate science experiment. If you're interested in volunteering with the exhibit, please contact Andi Hirsh at [andrea.hirsh@juneau.org](mailto:andrea.hirsh@juneau.org) or 586-0442.

Explore the world of engineering at the library!

Build an arch, design circuits,  
create a water filtration system,  
and much more!

## all ages welcome!

Discover Tech: Engineers Make a World of Difference, a traveling exhibition for libraries, is part of the STAR Library Education Network (STAR\_Net) led by the National Center for Interactive Learning at the Space Science Institute.

Exhibit partners include the American Library Association, the Lunar and Planetary Institute, and Afterschool Alliance. Discover Tech is supported through a grant from the National Science Foundation.



**Juneau Chapter**  
Alaska Society of Professional Engineers



### Professional Development Hours

The ASCE Juneau Branch will provide electronic continuing education development hour certificates for those who are interested in tracking development hours received by attending the Alaska Capital Engineers Luncheons to hear speakers present on engineering topics. Certificates can be found on the branch webpage: <http://branches.asce.org/juneau/>

### ASCE Juneau Branch Website

Bookmark this website for easy access to the events calendar, PDH certificates, new and archived newsletters, contact information and much more: <http://branches.asce.org/Juneau/>

For questions or concerns regarding the Juneau Branch ASCE website, please contact Ethan Roemeling.

### AccessEngineering

Developed in partnership with McGraw-Hill Education, ASCE members now have FREE and unlimited usage of this award-winning engineering reference tool: [www.asce.org/AccessEngineering](http://www.asce.org/AccessEngineering)





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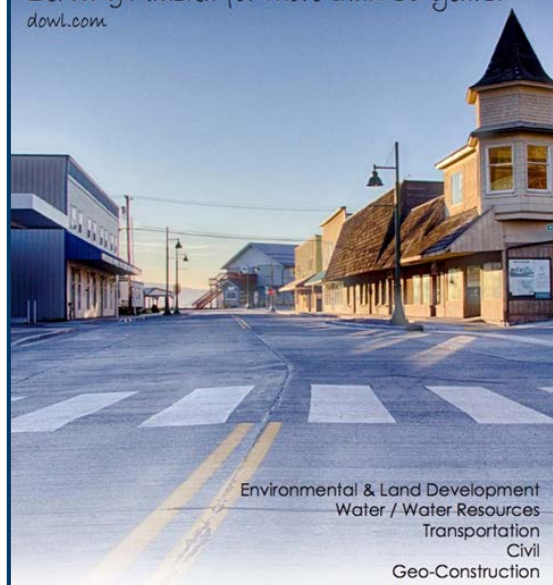
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## Membership and Renewal

Thank you for your continued membership and support for ASCE and NSPE. Our professional organizations provide a great opportunity to network with other members of the engineering profession. Select the links below for society membership information.

[ASCE Membership Information](#)

[NSPE Membership Information](#)

To support Alaska Capital Engineers, consider sponsoring this newsletter. Contact Mike Story for more information.

### ***2017-2018 Alaska Capital Engineers Officers***

#### **ASCE**

President - Mike Story, PE  
Vice President – Matt McGuan, PE  
Treasurer - Ethan Roemeling, EIT  
Secretary - Eric Antrim, PE  
Past President - Justin Kanouse, EIT  
Emeritus - Don Gotschall, PE

#### **Special Committees**

DiscoverE Week - Please Volunteer  
Halibut Feed - Please Volunteer

#### **ASPE - Alaska Society Contacts**

Past President – Angela Smith, PE  
President – Leora Houtary, PE  
President Elect – Jeanne Bowie, PE  
Secretary - Jordan Martin, EI  
Treasurer - Soo Loewen, PE  
NSPE House of Delegates – Brad Fristoe, PE  
Anchorage Chapter Director - Joe Taylor, PE  
Fairbanks Chapter Director - Frank Wuttig, PE  
Juneau Chapter Director - Darrell Wetherall, PE

