

September 2018

ALASKA CAPITAL ENGINEERS

Upcoming Events

September Luncheon (9/12/18) –
Speaker: Becca Soza, Juneau
Economic Development Council on
Robotics Competition, Location:
AEL&P

October Luncheon (10/10/18) –
Speaker: TBD, Location: AEL&P

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November Menu Lunch Buffet

September 2018
Catering by Abby's Kitchen
\$15 per person
Location: AEL&P

Contact Mike Story to submit ideas for
luncheon Speakers

ASCE Juneau Branch President's Message

Dear Alaska Capital Engineers and Friends,

It is September already. School has started, Labor Day has passed and our first luncheon of the season is upon us. I hope all had a busy and productive summer stocking freezers with fish, hiking and enjoying all the sunshine.

I want to thank Lucas Chambers, proHNS, who has volunteered to serve as an ASCE Branch officer this year. We need one more volunteer, so please consider stepping up and giving back to our profession. You can expect a ballot soon & we hope to install new officers at the October luncheon. I also want to thank Mal Menzies, who has volunteered to serve as Emeritus. He will replace Don Gotschall who will be missed.

This week, we will hear from Rebecca (Becca) Soza, STEM Program Manager for JEDC and FIRST in Alaska. FIRST, For Inspiration and Recognition of Science and Technology, is based on inspiring young people and encouraging their schools and communities to appreciate science and technology to positively transform culture. FIRST has successfully formed coalitions with corporations, universities, and public schools to become the premier after-school engineering and robotics competition program in the nation.

I hope to see you all at the luncheon.

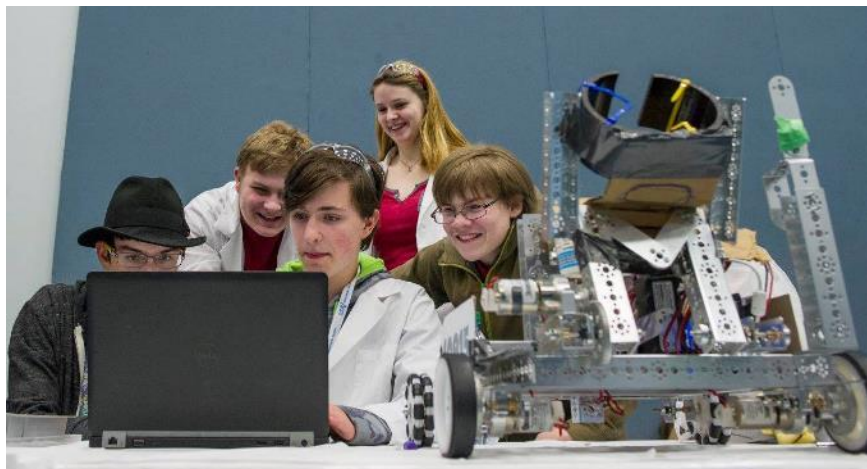
Mike
ASCE Juneau Branch President

Robotics Competition

Becca Soza, Juneau Economic Development Council

Location: AEL&P, Wednesday, 9/12/2018

FIRST (For Inspiration and Recognition of Science and Technology) programs have been an integral part of the STEM program's enrichment activities. Inventor and entrepreneur Dean Kamen founded FIRST over 20 years ago, creating a school-to-career pipeline through which young people are inspired to explore opportunities in science and technology. He believed that inspiring young people and encouraging their schools and communities to appreciate science and technology could positively transform culture. FIRST has successfully formed coalitions with corporations, universities, and public schools to become the premier after-school engineering and robotics competition program in the nation.



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Studies show that, compared to their peers, FIRST participants are 2.3 times more likely to show an increased interest in STEM careers and 2.7 times more likely to show an increase in STEM understanding. In Alaska, we're seeing concrete examples of how the school-to-career pipeline works. Graduating Lathrop High School senior, Zach Lanis, plans to study mechanical engineering at Portland State University. "FIRST has influenced that decision, almost in its entirety. I have found a love for building robots, doing materials research, machining parts, and tracking progress in an engineering notebook through FIRST that I have decided to pursue it as a lifelong career. FIRST has not only shown me what I want to study for the next 4 years, but what I want to do for the next 40." Graduating senior, Hanah Elizarde, of Juneau plans to study nursing in the fall. Although she doesn't plan to pursue engineering, she says that FIRST still had an impact on her decision. "FIRST has taught me the importance of critical thinking and helping others through community outreach and the concept of gracious professionalism."

Alaska's FIRST program continues to impact more young Alaskans each year. During the 2017-2018 season, FIRST in Alaska experienced a 17% increase in geographic reach around the state, expanding from 53 communities to 62. Our overall team count grew by 16% from 255 to 295. In Juneau, we strive to have FIRST available at all of our public schools. This season, Juneau will host the Southeast Regional Qualifiers for both FIRST LEGO League (grades 4-8) and FIRST Tech Challenge (grades 7-12). **In addition to mentors and coaches throughout the season, JEDC will need to recruit nearly 100 volunteers to support these events.**

Introduce a Girl to Engineering Day

The Girl Scouts of Alaska and Exxon Mobil are hosting an “Introduce a Girl to Engineering Day” on Saturday, September 22nd; from 9am to 3pm at Centennial Hall. The Girl Scouts of Alaska are looking for Juneau engineers who would like to join the engineers of Exxon Mobil to give 6-8th grade girls an introduction to engineering. It would be great for the Girl Scouts to have women engineers volunteer for this event, but all Juneau engineers are encouraged to sign up.

The day will consist of teams of Girl Scouts working their way through a group of engineering challenges. Volunteer engineers will serve as mentors for each team. Lunch will be provided for all girls and volunteers, and will include a question and answer session.

To volunteer, please email the following to Kelly FitzGerald at kfitzgerald@girlscoutsalaska.org:

- name,
- phone number,
- engineering specialty,
- and company/organization.



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ASCE Officers Wanted



ASCE needs volunteers to serve as officers in both the Alaska Section and the Juneau Branch. If you are interested, please contact Mike Story (MikeStory@pdceng.com).



ASCE News Brief



Dream Big came to Netflix July 1. ASCE Foundation Phil has been eagerly anticipating the moment.



Dream Big Now Streaming on Netflix

BY [Ben Walpole](#)

July 5, 2018

Dream Big: Engineering Our World is coming home.

Specifically, to *your* home.

Produced by MacGillivray Freeman Films and ASCE, the giant-screen film debuted on Netflix this week, streaming on TVs and hand-held devices all over the country.

“It is incredible,” said Menzer Pehlivan, Ph.D., P.E., M.ASCE, a geotechnical engineer for Jacobs and one of ASCE’s *Dream Big* civil engineering stars.

“Remember that I wanted to be an actress in addition to being an engineer younger? Voila! Dream big indeed!

“But mostly I am very happy to see *Dream Big* on Netflix because through this we will be able to reach and inspire bigger crowds that initially did not have the opportunity see the film in theaters.”

Dream Big opened in museums and giant screens around the world in February 2017 to [rave reviews](#). It continues to [show in theaters this summer](#) – from Singapore to St. Paul, MN.

[Read More >>](#)



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PDC Engineers is Hiring (Civil Engineer)

PDC Engineers is seeking a leader to join our full-service engineering team! We design innovative world-class projects utilizing state-of-the-art technologies. This is a hands-on design and management position for utility, site and transportation design projects. Applicant must have experience providing technical leadership within civil engineering and diversified knowledge of engineering and construction practices. Candidates must possess strong communication skills, and the ability to lead a multidiscipline team, manage projects and interact with clients. This is a great career opportunity for a dynamic, energetic individual with proven technical and leadership skills.

Qualifications/Skills: B.S. in Civil or Engineering, Alaska Professional Civil Engineer License or ability to obtain within one year, 10+ years' of experience, AutoCAD & Civil 3D proficiency, GIS experience is a plus, Able to manage team and contracts on multiple projects concurrently, Detail oriented & well organized with demonstrated ability to meet deadlines, Strong verbal & written communication skills.

PDC is a 100-percent employee-owned company. We offer competitive pay, excellent benefits (healthcare, retirement, disability & life insurance, paid time off, 8-holidays/year) and advancement opportunities. PDC is an Equal Opportunity Employer.

This position is available in our Juneau office. Submit your cover letter and resume to PDC Engineers, Attn: Human Resources, 6205 Glacier Hwy., Juneau, AK 99801 or at jobs@pdceng.com. All responses held confidential. Open until filled.



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




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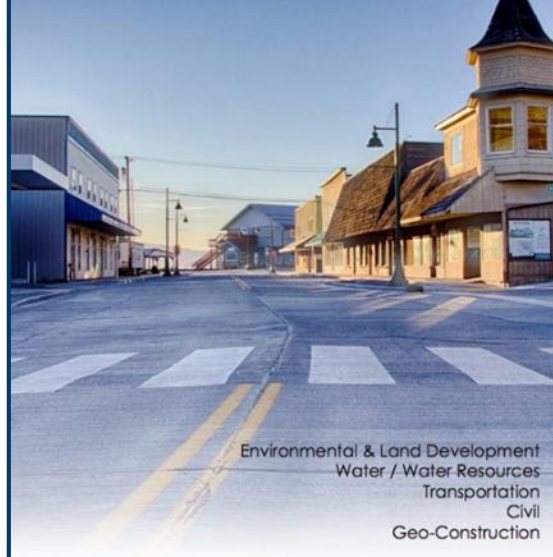
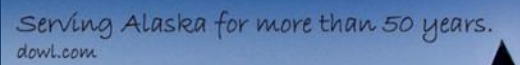
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Membership and Renewal

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
at:

MikeStory@pdceng.com.

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 – Leora Houtary, PE
President – Jeanne Bowie, PE
President Elect – Chris Miller, PE
Secretary - Jordan Martin, EI
Treasurer – Michael Spano, PE
NSPE House of Delegates – Brad Fristoe, PE
Anchorage Chapter Director – Patrick
Coullahan, PE
Fairbanks Chapter Director - Frank Wuttig, PE
Juneau Chapter Director - Darrell Wetherall, PE

