

May 2019

ALASKA CAPITAL ENGINEERS

Upcoming Events

May Luncheon (5/8/19) – Speaker:
Lance Mearig, PE; AK DOT&PF;
Location: AEL&P Conference Rm

June Halibut Feed (6/7/19) –
Location: Auke Rec, 5-7pm

September Luncheon (9/11/19) –
Speaker: TBD, Location: TBD

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March Menu Lunch Buffet

Catered by Breeze In
\$20 per person
\$10 under 35 years old
Location: AEL&P

Contact Matt McGuan to submit ideas
for luncheon Speakers:
Matthew.V.McGuan@uscg.mil

ASCE Juneau President's Message



Fellow Engineers,

There was news out of Washington, DC this week that Democratic congressional leaders and the President reached an agreement to pursue a \$2 trillion infrastructure bill. Skepticism about the agreement abounds, but it was a nice break from the partisan acrimony that seems to consume every news cycle. It's good to know that there are still some things that both sides can find common ground on and it's encouraging to be part of a profession that is so essential to a civil society.

Back here in Alaska, cuts to education and health care spending are dominating the current debate. ASCE Alaska Section Vice President, David Gamez, PE, pointed out in his April 22 op-ed, "As our state moves toward achieving a sustainable budget, our policymakers must remember the hidden but very real costs associated with the failure to act on critical investment for our state's infrastructure." David is correct, and neglecting infrastructure now will only compound the problem in the future.

Lance Mearig, PE, the DOT&PF Southcoast Region Director will join us at our May luncheon to discuss the outlook on infrastructure projects here in Southeast Alaska. Lance also serves on the ASCE Region 8 Board of Governors. Not sure what the Board of Governors does? Come on over to AEL&P on Wednesday and find out. I'm sure it will be informative and I look forward to hearing from Lance.

I hope you had a chance to get out and enjoy the sunshine the last few days. Hopefully we'll have some nice sunshine for our picnic on June 7th as well.

See you around, Matt McGuan, PE



May Luncheon: Lance Mearig, PE; Alaska DOT & PF



Alaska Department of Transportation's (DOT&PF) Southcoast's Regional Director, **Lance Mearig**, leads planning and operations for state-owned and managed roads, airports, and ferry facilities in Southeast Alaska, Kodiak, and the Aleutians. Lance has Bachelor's and Master's degrees in civil engineering and over 30 years of work in Alaskan construction engineering. Lance is a licensed civil engineer in Alaska and three other states.

Lance also serves on the ASCE Region 8 Board of Governors. Region Directors communicate between the Regions and the Board of Direction and recommend Region Governors to serve on Board and Society Committees. Region Governors plan, organize, direct, manage, and carry out events to engage and serve members in the Region.

Where: AEL&P
When: Wednesday, May 8,
Noon to 1



Halibut Feed

Where: Auke Rec, large shelter
When: Friday, June 7th
5-7 pm



Please Volunteer to Help Alaska Capital Engineers!

The Alaska Capital Engineers are the combined members of the NSPE Juneau Chapter and the ASCE Juneau Branch; both are seeking your willing service.

The ASCE Juneau Branch has 2 vacancies: Secretary and Treasurer. Terms are September to September. Contact: Matthew.V.McGuan@uscg.mil

The ASPE Juneau Chapter has 3 vacancies: President, Vice President, and Secretary/Treasurer. Contact: Darrell.Wetherall@aelp.com

The Alaska State Board of Registration allows “up to 8 PDH’s per year” for your “participation in professional and technical societies.”

[Read More >>](#)



In Memoriam: Dale A. Nelson, P.E., F.ASCE *12/14/1944 – †1/1/2019



The members of the Alaska Capital Engineers remember the truly significant contributions of Dale Albin Nelson to the Anchorage community, to Alaska, and to his engineering profession.

Dale was always a strong supporter of civil engineering education.

The Alaska Capital Engineers encourage donations in Dale's name to the [Amos Joe Alter ASCE Alaska Section Scholarship fund](#).



Opinion – David Gamez, PE; Vice President, ASCE Alaska Section



Corrosion of the pilings at the Port of Anchorage are one of the reasons officials say the port requires a modernization project. Photographed on Thursday, July 7, 2016. (Marc Lester / Alaska Dispatch News)



Infrastructure is the elephant in the Alaska budget room

COPIED FROM: [Anchorage Daily News](#)

April 22, 2019

Gov. Mike Dunleavy’s proposed budget and the conversations dominating the debate focus on cuts to healthcare and education spending, yet little attention is being paid to a critical component of Alaskans’ daily lives – our roads, bridges, water systems and the Alaska Marine Highway System. As our legislators debate Gov. Dunleavy’s proposed budget, it is crucial they maintain focus on funding for the essential infrastructure that Alaskans depend on every day. When infrastructure fails, it impacts not only our economy, but also the safety and livelihood of all Alaskans. Too many times have we seen lives lost, adverse health impacts and impacts to business from damaged bridges, collapsed water and sewer lines, as well as deteriorating roads.

As our state moves toward achieving a sustainable budget, our policymakers must remember the hidden but very real costs associated with the failure to act on critical investment for our state’s infrastructure. The American Society for Civil Engineers estimates that the average American family loses \$9 per day due to poor, unreliable infrastructure. Moreover, often we build infrastructure assets and then give no thought to how to maintain them – the total cost of an asset. In the engineering world, we call this a life-cycle cost analysis.

[Read More >>](#)



ASCE News Brief



Project BUILD Connects Students, Engineers, and Libraries

BY Ben Walpole

April 18, 2019

Libraries aren't likely the first venues you think of when you consider civil engineering outreach.

But maybe they should be.

[Project BUILD](#) proves that civil engineers and libraries can forge a powerful partnership.

"This is the first time that we have partnered with the library system. It wasn't something that I had considered before," said Justine Rose, EIT, A.M.ASCE, an engineer for AECOM in Cleveland, secretary for ASCE's Cleveland Section, and co-lead (with Nick Heim, A.M.ASCE) of a recent Project BUILD outreach effort in the Cuyahoga County Public Library.

"But when I read the description, it was like, 'Yeah, brilliant! That absolutely makes sense.'"

Project BUILD – "Building Using an Interactive Learning Design" – is a National Science Foundation–funded program that pairs volunteer engineers with public libraries to conduct engineering activities with students in grades 2-5.

[Read More >>](#)

ASCE members have helped make the Project BUILD program at the High Plains Library District near Denver a huge success



MATHCOUNTS[®]



Members of last year's Southeast regional MATHCOUNTS winning team from Dzantik'i Heeni Middle School. From left: coach Mary Borthwick, Marina Lloyd, Krishna Bathija, Addy Mallott and Edward Hu. (Kevin Gullufsen | Juneau Empire)

The MATHCOUNTS Foundation is a 501(c)3 non-profit organization that reaches students in grades 6-8 in all US states and territories with extracurricular math programs. More than a quarter million students participate each year.

<https://www.mathcounts.org/>

For information on MATHCOUNTS in Juneau, or to volunteer, contact Doug Murray (dougmurray@pdceng.com)



All around the world, engineers are pushing the limits of ingenuity and innovation in unexpected, imaginative, and amazing ways. Dream Big: Engineering Our World, a giant-screen film about engineering, takes viewers on a journey of discovery from the world's tallest building to a bridge higher than the clouds. Along the way, the audiences witness how today's engineers are shaping the world of tomorrow.

PND Engineers is Hiring (Civil Engineer)



PND Engineers seeks a highly motivated civil design engineer with current P.E. registration and 5-10 years of professional experience for a key position in our dynamic, multidiscipline Juneau office. The award-winning team in this office performs challenging civil design and construction administration projects with special emphasis in Alaska's beautiful coastal environments. You will work on a variety of interesting projects, including roadway, utilities and waterfront facility design, project management, and contract administration. The successful candidate will have the opportunity to gain valuable experience through some travel within Southeast Alaska for design presentation, inspection, or related field activities. Apply online at www.pndengineers.com.

PND Engineers is an Equal Opportunity and Affirmative Action Employer.



PDC Engineers is Hiring (Civil Engineer)

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 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 at jobs@pdceng.com.



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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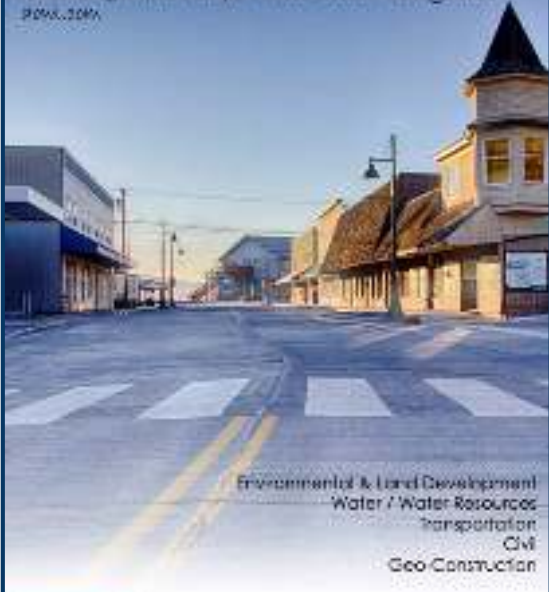
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Membership and Renewal

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](#)

2018-2019 Alaska Capital Engineers Officers

To support Alaska Capital Engineers, consider sponsoring this newsletter.

Contact Matt McGuan at:

Matthew.V.McGuan@uscg.mil

ASCE

President - Matt McGuan, PE
Vice President - Ethan Roemeling, EIT
Treasurer - Lucas Chambers, PE
Secretary - Eric Antrim, PE
Past President - Mike Story, PE
Emeritus - Malcolm (Mal) Menzies, PE

Special Committees

DiscoverE Week - Please Volunteer
Halibut Feed - Please Volunteer
School Outreach/STEM Coordinator - Please Volunteer
Dream Big Coordinator - Please Volunteer

ASPE - Alaska Society Contacts

Past President - Jeanne Bowie, PE
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