



January 2018

Alaska Chapter Newsletter Hot Gas Bypass

Anchorage Meeting Information

Presentation:
Constructive Construction Feedback

Moderated By:
Craig Rohwer

Date:
Thursday,
January 25, 2018

Time:
5:30 pm: Check-in
6:00 pm: Dinner
6:30 pm: Presentation

Location:
Coffman Engineers
Annex Building
519 W. 8th Avenue
Anchorage, AK

Cost:
Members: \$20
Students: Free

Alaska Chapter Officers and Chairs

Craig Rohwer, President
Craig.Rohwer@irco.com

Nathan Zeigler, President-Elect
Nathan.Zeigler@contractor.conocophillips.com

Tracy McKeon, Secretary
tmckeon@crweng.com

Cheyenne Alabanzas, Treasurer
calabanzas@rsa-ak.com

Ruth Armstrong, Grassroots Gov. Advocacy
rarmstrong@ak.net

Doug Franklin, Membership
dfranklin@stinebaugh.com

Brian Johnson, Student Activities / YEA
rbjohnson13@gmail.com

Jeff Hurd, Technology Transfer
Jeff.hurd@awwu.biz

Mak Kampen, Research Promotion
Matthew.Kampen@conocophillips.com

Jan Van Den Top, Historian
janvndtop@acsalaska.net

Alaska ASHRAE Chapter
PO Box 244503
Anchorage, AK 99524

President's Message:

Happy New Year!

With the Holidays behind us, it is now time to renew focus on our goals for the upcoming year. For anyone that struggled in the last year, there are lessons to be learned and put into action going forward. Each day holds opportunities for us to better ourselves and our community. One opportunity is during **National Engineers Week (i.e. E-Week)** that takes place **February 18th - 24th** this year. There are a variety of volunteer opportunities for any that are interested. Feel free to contact me for further information.

This month's program takes a twist from the normal lecture and presentation style to focus back on ourselves. We're bringing in the New Year by asking ourselves "What Could We Do Better?" This will be a time of Q&A from the installing contractors and design engineers. We're gathering questions or comments from the install side of projects to see how we as engineers have opportunities to better our work and better ourselves through useful feedback.

I am excited for this program as the Alaska Mechanical Contractors Association is invited to join ASHRAE and join in the conversation. This should be a great time to build up relationships and kindle new ones. I look forward to see you all there!

Best Regards,
Craig Rohwer



Anchorage January Meeting:

Presentation:
**Constructive Construction
 Feedback**

Moderated By:
Craig Rohwer

Date:
**Thursday,
 January 25th, 2018**

Time:
**5:30 pm: Check-in
 6:00 pm: Dinner
 6:30 pm: Presentation**

Location:
**Coffman Engineers
 Annex Building
 519 W. 8th Avenue**

Cost:
Members: \$20

RSVP:
**Please RSVP to
 Nathan Zeigler at:**

**[Nathan.Zeigler@contractor
 .conocophillips.com](mailto:Nathan.Zeigler@contractor.conocophillips.com)**

**By noon on Wednesday
 January 24th**

Constructive Construction Feedback:

This month, we are holding an open panel discussion comprised of individuals representing the entire gamut of the construction process. The panel of distinguished and experienced Alaskans will be moderated by Craig Rohwer and will discuss the key ingredients of successful projects, as well as feedback from past experiences of projects that have encountered difficulties.

Have you ever heard the phrase, “No news is good news?” Many times in the engineering world feedback is hard to come by. That is, of course, unless a major mistake is made; then the feedback will be swift and potentially expensive. It is perfectly understandable how imperfect designs can get repeated multiple times without the engineer knowing that there are changes that can be made that would improve the design, functionality, and constructability of their work.

This month is our opportunity for feedback and our open panel format will allow for a structured and personalized discussion. The panel will provide feedback on issues or “odd” things contractors have seen on projects from an engineering perspective that could be changed/tweaked to be more effective, reduce CA, save coordination, etc.

This isn't a finger pointing exercise, or an on-point accusation, but a panel discussion where contractors and engineers sit together with a moderator to field questions and answers from both sides.

So bring your questions, comments, & CONSTRUCTIVE criticisms and prepare for a great meeting this month.

We are excited for this opportunity and look forward to an excellent knowledge and experience feedback-loop this month.



Research Promotion:

2017-2018 Research Investors, ASHRAE Alaska Chapter

<u>Organizations</u>	<u>Individuals</u>	<u>Up to \$99</u>
<p><u>\$1000 & Over</u> Alaska Mechanical Contractors Association Inc. (AMCA) Alaska ASHRAE Chapter</p> <p><u>\$500—\$999</u> Design Alaska</p> <p><u>\$150—\$499</u></p> <p><u>Up to \$149</u> AK Winter, Inc.</p>	<p><u>\$250—\$999</u> Jan Van den Top Douglas Murray</p> <p><u>\$100-\$249</u> Nathan Zeigler Tracy McKeon Greg Jernstrom Doug LeCren Mak Kampen Doug Franklin Cheyenne Alabanzas Craig Rowher</p>	<p><u>Up to \$99</u> Scott Bell</p>

Fellow ASHRAE Members,

We had a successful Donor Recognition Night in November; thank you to all that attended! Please keep an eye out for information regarding the upcoming RP Shootout that will take place this Spring.

ASHRAE Research is essential to updates that are made to the Society's standards and guidelines, which provide uniform methods of testing for rating purposes. The standards and guidelines suggest safe practices for design and installation and provide other information which guides the industry. Every dollar that is donated goes to ASHRAE Research! 100%!

If you are interested in donating towards the future of HVAC&R industry standards and practices please follow one of these three donation options:

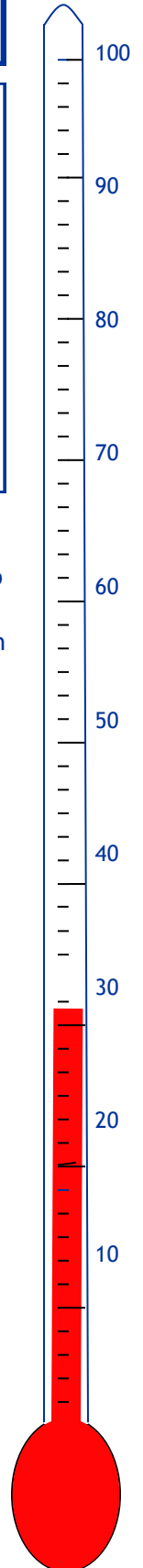
- Go to <http://www.ashraerp.com> and click on "donate".
- You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE Research 1791 Tullie Circle, NE, Atlanta, GA 30329.
- You can donate when you renew your membership on line. After you have made your selections for renewal the next page is for you to donate to ASHRAE funded items. About 3/4 of the way down the page you will see Research Promotion. Click "Add to Cart"

If you have already made a donation, your name should appear at the top of this page, if not, it should appear next month. Please feel free to contact me if your name is not present below and you made a donation or with any questions about ASHRAE Research Promotion; the ASHRAE Foundation; or the ASHRAE Learning Center.

Thank you very much for all of your support and dedication to your local ASHRAE Chapter.

Sincerely,

Mak Kampen, P.E.
Alaska Chapter Research Promotion Chair
Matthew.kampen@conocophillips.com



CTTC Report for January 2018

Continuing Education:

I'm looking for comments on setting up a seminar or two early this year (2018) for those who need continuing education hours. Due to the cost of the course/s we are looking for some good topics of interest that will be well attended. Please email me if you have any suggestions on course topics.

Here are some suggestions:

- ◆ **Healthcare Facilities: Best Practices for Design & Application**
- ◆ **Integrated Building Design**
- ◆ **Energy Modeling Best Practices & Application**
- ◆ **Air to Air Energy Recovery Fundamentals or Applications**

Technology Award:

The chapter is trying to get individuals or companies to submit for the 2017-2018 ASHRAE Technology Awards for this year (CRC) Chapters Regional Conferences. Please let me know if you have any questions. **Just email me and I'll send you the Technology Award Short Form.** This is a great way to get recognition for the projects that you and your colleague's have been working on. Technology awards include the following:

Milton W. Garland Commemorative Refrigeration Award for Project Excellence - *Recognizes a non-comfort cooling refrigeration app which highlights innovative and/or new technologies.*

Refrigeration Comfort Cooling Award or Project Excellence - *Recognizes designer and owner of a comfort cooling refrigeration app which highlights innovation and/or new technologies.*

Technology Award of Engineering Excellence - *Recognizes on an international scale, successful apps of innovative design which incorporates ASHRAE standards for effective energy management, indoor air quality and mechanical design management technology.*

L.O. Crooks Refrigeration Award - *to encourage excellence in Refrigeration activities and to promote interest in Refrigeration at the Chapter level.*

Ralph Robson Technology Award - *to recognize the best overall winning entry amongst all the categories in the Regional Technology Award Competition*

In addition there are a number of Technology Awards on a Regional level for outstanding engineering in effective energy management, indoor air quality, mechanical design management and innovative and/or new technology for:

- ◆ *New Commercial Facilities*
- ◆ *New Educational Facilities*
- ◆ *Existing Other Institutional*
- ◆ *New Residential*
- ◆ *New Public Assembly*
- ◆ *New Other Institutional*
- ◆ *New Health Care Facilities*
- ◆ *New Commercial Facilities*

If you have any questions or need additional information about submitting your project for an award please email me.

Thank you,
 Jeffery D. Hurd (CTTC)
 Project Management/Civil Engineer I
 Anchorage Water and Wastewater Utility
 Work (907) 786-5526 Cell (907) 317-7285
 Jeff.hurd@awwu.biz

Alaska Chapter Archives and History:

ASHRAE CHAPTER NOMINATIONS FOR ENGINEER OF THE YEAR

Those recognized as Engineer of the year are in bold type.

Year nominated for:	Nomination:
1987	Richard S. Armstrong P.E.
1988	no nominee
1989	Boyd Morgenthaler P.E.
1990	Robert A. Jernstrom P.E.
1991	Ray Bhargava P.E.
1992	no nominee
1993	Richard S. Armstrong P.E.
1994	Ray Bhargava P.E.
1995	no nominee
1996	Boyd Morgenthaler P.E.
1997	Steve Theno P.E.
1998	no nomination
1999	Douglas Murray P.E.
2000	Gregg Johnson P.E.
2001	no nominee
2002	no nominee
2003	Jan van den Top P.E.
2004	Walter Heins P.E.
2005	no nominee
2006	Ronald J. Thompson P.E.
2007	no nominee
2008	no nominee
2009	Dave Shumway P.E.
2010	no nominee
2011	no nominee
2012	no nominee
2013	no nominee
2014	no nominee
2015	Craig Fredeen P.E.
2016	Mak Kampen P.E.

DISCOVER E CLASSROOM SPEAKERS

Dear Teachers:

National Engineers Week (E-Week) is rapidly approaching - February 18-24, 2017.

What is E-Week?

E-Week is an annual event to bring public attention to the work and contributions of our nation's engineers. Anchorage's E-Week is filled with many exciting activities for adults and kids.

Help your students "Discover E"

Discover E engineers share a common desire: to help local students discover the exciting worlds of engineering and technology. Their goal is to relate practical applications of math, science and engineering to the world around them.

Schedule a "Discover E" Engineer to Speak in your Classroom

As part of Anchorage's E-Week activities, local engineers are available to speak in local classrooms from February 12 - 16 and February 26 - March 2. These enthusiastic speakers can talk to your students about engineering and how it relates to math, science, and other fields. The goal of the "Discover E" program is to spread awareness among students of how engineers impact our daily lives.

In a typical year, more than 40 volunteer speakers give over 50 presentations, reaching over 1,500 students.

We hope you will take the opportunity to open your classroom to a local engineer. If you would like an engineer to speak to one of your classes, please submit the form on the other side of this flyer via e-mail to Paul Tenison at paul.tenison@bp.com.

Please respond by January 26th so we can identify a speaker for your class.

We encourage you to specify a topic or make other specific requests. Once we have matched you with an engineer, we will provide you with his or her contact information so that you can work out the logistics.

Questions?

If you have questions, please contact Paul Tenison at paul.tenison@bp.com or 907.854.1330. We look forward to opening the essential and exciting world of engineering to your students.



The Anchorage School District does not endorse these materials or the viewpoints expressed in them.

DISCOVER



ENGINEERS WEEK

FEBRUARY 18-24, 2018

eweekak.org

DISCOVER E CLASSROOM SPEAKERS

If you would like to schedule an engineer to speak to one of your classes, please submit this form via e-mail to Paul Tenison at paul.tenison@bp.com. Please respond by January 26 so we can arrange a speaker for your class.

Teacher's Name: _____

Phone: _____ Fax: _____

E-mail: _____

School: _____

School Address: _____

Grade: _____ Number of Students: _____

Time and Duration: _____

Class Subject: _____

Preferred Date:
 FEB 12 13 14 15 16 | 26 27 28 MAR 1 2

Special Requests: _____

Grade: _____ Number of Students: _____

Time and Duration: _____

Class Subject: _____

Preferred Date:
 FEB 12 13 14 15 16 | 26 27 28 MAR 1 2

Special Requests: _____

Grade: _____ Number of Students: _____

Time and Duration: _____

Class Subject: _____

Preferred Date:
 FEB 12 13 14 15 16 | 26 27 28 MAR 1 2

Special Requests: _____

LOCAL SPONSORING SOCIETIES

Alaska Society of Professional Engineers | American Society of Civil Engineers | American Society of Heating, Refrigerating and Air Conditioning Engineers | American Society of Landscape Architects | American Society of Mechanical Engineers | Illuminating Engineering Society | Institute of Transportation Engineers | Society for Marketing Professional Services | Society of American Military Engineers | Society of Petroleum Engineers | Society of Women Engineers | Structural Engineers Association of Alaska

More Volunteer Opportunities:

ASHRAE Members,

FIRST in Alaska is still on the lookout for volunteers for the upcoming FIRST Lego League State Championship Tournament (AKA The Robot Rendezvous) on JANUARY 20!

They have all types of opportunities for volunteers, from scorekeepers to referees, field re-setters to judges. Please help spread the word!

To sign up as a volunteer, please go to www.jedc.org/firstinalaska

VOLUNTEERS NEEDED



for Alaska's Robot Rendezvous

Who: Volunteers of all ages and experience levels

What: Serve as judges, referees, scorekeepers, timers, queuers, and numerous other volunteer positions at Alaska's State FLL Robotics Championship Tournament

When: January 20, 2018

Where: Dimond High School, Anchorage



Register to volunteer at...
www.jedc.org/firstinalaska

Email questions to....
Firstak@jedc.org






Volunteer with Us! We Need Your help!

ASHRAE Volunteer Opportunities:

We currently have an open volunteer position that needs to be filled. Whether you are new to ASHRAE or have been a member of ASHRAE for years you Chapter needs you help. Volunteering at the chapter level helps you develop a better understanding of how the Society functions and how to receive the most benefit from your membership while contributing to the growth of ASHRAE.

Volunteering only takes a couple of hours a month. If you are interested we need to fill the:

- ♦ **Electronic Communications Committee (ECC):** The ECC identifies the electronic communication needs of the membership and staff, recommends and maintains policies, and ensures that the implementation of information technologies meets the objectives and needs of the Alaska Chapter and Society.
- ♦ **Chapter Technology Transfer Chair (CTTC):** The CTCC provides efficient and effective transfer of current and relevant information throughout the HVAC&R industry to and from the Chapters. CTTC develops and maintains high quality and readily available tools to enable Chapters to offer information and attractive industry-related information and programs to all segments within the HVAC&R industry. The CTT Chair coordinates Distinguished Lecturers visits, Technical Seminars for members, chapter programs, and administer CTTC specific awards.



For more information on how to volunteer contact Craig Rohwer, President, Alaska Chapter ASHRAE, at craig.rohwer@irco.com



Find us on
Facebook

ASHRAE Alaska Chapter is now on Facebook follow us out at:

<https://www.facebook.com/AlaskaASHRAE/>

Save the Date:

Next ASHRAE Meeting

Date: February 15, 2018

Topic: Modeling and Experimental Verification of Seasonal Solar Thermal Energy Sand-bed Storage

Presenter: Phillip Hayes



Tom Fisher
President

Email: tomfisher@aaronak.com

2143 Standard Avenue
Fairbanks, Alaska 99701
website: www.aaronak.com

Phone: 907-452-3463
Mobile: 907-378-2804
Fax: 907-456-1315



Russel "Rusty" West
Alaska Sales Manager

Office: 425-774-6602
Direct Line: 425-977-2139
Mobile: 206-909-3664
Fax: 425-775-2272



Email: rwest@coleindust.com

5924 - 203rd Street Southwest • Lynnwood • WA • 98036
Serving the Pacific Northwest for over 40 years



Mechanical • Commissioning • Energy Management • Electrical • Civil
Fire Protection • Structural • Corrosion Control • PM/CM

Anchorage | Bozeman | Guam | Honolulu | Los Angeles | Oakland | Seattle | Spokane

800 F Street | Anchorage, Alaska 99501
ph 907.276.6664

www.coffman.com



Glenn Evans

BRANCH MANAGER

Email gevans@chchydronics.com
Direct 907.268.2061
Cell 907.312.6046
CHCHYDRO.COM

907 E DOWLING, UNIT 14 ANCHORAGE, AK 99518



Civil • Mechanical • Electrical • Structural
Environmental • Land Surveying

Bright People. Powerful Solutions. Building Alaska.

Anchorage | Palmer
(907) 562-3252 | Fax (907) 561-2273
www.crweng.com

Simplify...

Find all of your Architecture, Engineering, and Survey services in one place



Since 1957

mail@designalaska.com www.designalaska.com
1-800-668-8919 1-907-452-1241

Arctic Trace® Freeze Protection System
Submersible Heat Trace "Inside the Pipe or Vessel"

Installs into existing lines No excavation required

Water Supply—Water Well—Septic Tank & Sewer Line



www.arctictrace.com

(907) 522-3004



Certified to NSF/ANSI 61
Available upon request



6927 Old Seward Hwy, Suite 202 | Anchorage, AK 99518
Phone: (907) 522-1042 | www.jernstromengineering.com



Rick Loewen
201 East 54th Avenue
Suite 100
Anchorage, AK 99518

Andrew Lee
phone (907) 561-4747
fax (907) 562-7473
www.jpsheldon.com

MBA Consulting Engineers, Inc.

3812 Spenard Road, Suite 200 • Anchorage, AK 99517
(907) 274-2622 • FAX (907) 274-0914



MBA Consulting Engineers, Inc. is dedicated to providing mechanical and electrical designs for safe, comfortable and convenient building systems, within budget, and with minimum operating and maintenance costs.



Jessi Cherry
Sales Specialist
LEED-Green Associate

907-279-3320
907-317-8187
jcherry@msicontrols.com
www.msicontrols.com

An Employee Owned Company



TROY NIBERT
Principal

Office: (907) 562-2608
Fax: (907) 562-0503
Cell: (907) 223-8830

www.GoPSi.com

Email: tnibert@GoPSi.com

6657 Greenwood Street
Anchorage, AK 99518

RSA Engineering, Inc.

MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS



Mechanical & Electrical planning, design, construction administration, commissioning, and sustainable compliance for the Anchorage Museum at Rasmuson Center Expansion Project
www.rsa-ak.com ♦ 907-276-0521 ♦ info@rsa-ak.com

SIEMENS

Industry

Siemens Industry, Inc.
Building Technologies Division



5333 Fairbanks Street
Suite B
Anchorage, AK 99518

Tel: +1 907 563-2242 Ext. 224
Direct: +1 907 273-2506
Mobile: +1 907 227-2199
Fax: +1 907 563-6139
jim.mcdonough@siemens.com
usa.siemens.com

Jim McDonough

Account Executive
Building Automation



<p>STINEBAUGH & COMPANY ENGINEERED HVAC SOLUTIONS</p> <p>Serving Alaska for 25 years</p> <p>907.345.8021 www.stinebaugh.com</p> <p>5730 B Street • Anchorage, Alaska 99518</p>	<p>EQUIPMENT — CONTROLS — SERVICE — PARTS</p> <p>Trane is your solutions provider – designing, building, installing, and maintaining integrated HVAC systems, perfect for your projects and clients.</p>  <p>ALASKA TRANE — 907.267.7400 — alaskatrane.com</p>
 <p>Derek Bradish</p> <p>337 E. 4th Avenue #66 Anchorage, AK 99501 Email: derek.bradish@victaulic.com Cell: 907/347-8276</p>	

This page will be continually updated. Please get your business card in for the year of 2017-2018. Business cards run from Sept to Sept for \$100.00 per year. Please send your photo-ready card to tmckeon@crweng.com