



September 2021

# Alaska Chapter Newsletter Hot Gas Bypass

## ASHRAE Monthly Meeting Information

**Presentation:**

Commercial Kitchen Ventilation System & Cooling Design

By: Mike Gervenak

Date:  
Thursday, November 18, 2021

Time:  
12:00 pm

Cost:  
Free

Location:  
GoTo Meeting Online

<https://www.gotomeet.me/ashraek>

Phone:  
1-872-240-3412

Access Code:  
264-465-621

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Alaska ASHRAE Chapter  
PO Box 244503  
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## President's Message:

Hello ASHRAE Alaska Members,

Happy November!

Equation of the month is, modified Darcy-Weisbach equation,  $\Delta p = Np (K_h + f (L/D) ) \rho v^2 / 2g$ , where  $\Delta p$  = pressure drop,  $l/d$ ,  $Np$  = number of tube passes,  $K_h$  = flow resistance,  $f$  = friction factor  $L$  is the length, diameter of tube,  $\rho$ ,  $v$  and  $g$  are constants (ASHRAE systems and equipment 1.3). Why do we need to know Darcy-Weisbach equation? To determine pressure, drop through tubes. The equation is named after Henry Darcy (1803-1858) French Engineer and Julius Weisbach (1806-1871) German Mathematician and Engineer.

Moving on to November meeting on Thursday Nov 18 at Noon via go to meeting, Our speaker for November is Mike Gervenak with Greenheck speaking on Commercial Kitchen Ventilation with cooling. Mike is knowledgeable in commercial kitchen ventilation and controls with respect to cooling. Mike has a Bachelor's degree in Business Management and operations from University of Wisconsin – Stout (Wisconsin Polytechnic University).

It is not too late to submit for the 2022 Engineer of the year Award (EOTY). Each year, ASHRAE Alaska puts forward a candidate who has the combination of engineering experience, community involvement, and extra-curricular professional service. Please let us know if you think of anyone in industry who would be suitable for the nomination. I also want to encourage all firms to consider submitting an entry for the 2022 Engineering Excellence Awards. If you are a firm or company with engineering staff in Alaska, you are eligible to enter a project you worked on (can be outside of Alaska). The aim for the program is to increase the public's awareness of engineers' contributions to society and recognize firms and projects of distinction.

Thanks for attending the October YEA Bootcamp series. This month's event is on Thursday Nov 11<sup>th</sup> at 11:30 am. Our speaker of the month is Glenn Evans, Sales/Business Development Engineer with CHC Hydro. Please encourage younger engineers in your firm to attend the YEA Bootcamp series.

Thanks to all the volunteers, members, and pioneers. Stay warm!

Sincerely,

Sam Ratnasigamani,  
President 2021-2022  
Alaska Chapter ASHRAE  
[samr@rsa-ak.com](mailto:samr@rsa-ak.com)





November 2021

## Program Announcement

### November Meeting:

**Meeting:**

**Presentation:**  
Commercial Kitchen Ventilation  
system & Cooling Design

**Date:**  
Thursday,  
November 18, 2021

**Time:**  
12:00 pm

**Location:**  
[https://www.gotomeet.me/  
ashraeak](https://www.gotomeet.me/ashraeak)

**Dial in:** 1-872-240-3412  
**Access Code:** 264-465-621

**Cost:** Free

### Commercial Kitchen Ventilation System & Cooling Design

This month we are pleased to have Mike Gervenak present on Commercial Kitchen ventilation system & cooling design.

### Speaker's Bio:



Mike Gervenak is a Sr. Sales Engineer with Greenheck Fan corporation headquartered in Schofield, WI. He graduated in 2013 from the University of Wisconsin- Stout after spending 8 months with Greenheck's Co-Op program. Upon graduation Mike began his career with Greenheck under their Accurex brand as an Account Manager in the greater Boston region. Eventually he was able to return home to Minneapolis, MN and take over a role as an Executive Account Manager for the Minnesota branch

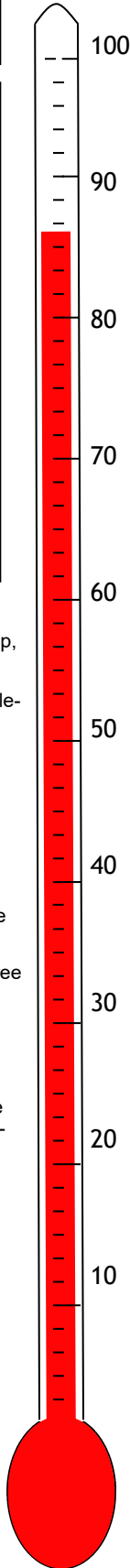
of Accurex. In late 2017 he left Greenheck and spent some time in the Payroll Software industry as well as in logistics before returning to Greenheck in early 2021. As a Sr. Sales Engineer Mike is now responsible for supporting Greenheck's Mechanical Representatives efforts in designing kitchen ventilation systems across the United States. In his spare he is usually found out for a run with his dog around one of the many lakes of Minnesota.

**Topic:** Mike is going to be talking about the different types of hoods, exhaust configurations and the different types of grease/ smoke odor control in commercial kitchen ventilation and cooling design.

**Research Promotion:**

**2021-2022 Research Investors, ASHRAE Alaska Chapter**

	<u>Organizations</u>	<u>Individuals</u>
<p><b><u>ASHRAE Associate</u></b> (\$2,500 - \$4,999) Stinebaugh &amp; Company</p> <p><b><u>Major Donor - Silver</u></b> (\$1,000 - \$2,499)</p> <p><b><u>Major Donor - Bronze</u></b> (\$500 - \$999) JP Sheldon Trane Co. UA Local 367</p> <p><b><u>Chapter Recognized Donor</u></b> (\$150 - \$499) Aaron Plumbing &amp; Heating Co.</p>	<p>Alaska Air Balancing Alaska Integrated Services Alaska Roteq ATS Alaska Cole Industries Columbia Hydronics Company CRW Engineering Group LLC Engineered Equipment Co. of Alaska, Inc. Frontier Supply Company Gordon &amp; Associates, Inc. Jernstrom Engineering Johnson Controls Inc. LONG Building Technologies Norcoast Mechanical Inc. Proctor Sales Inc. Victaulic, Inc.</p>	<p><b><u>Major Donor</u></b> (\$250 - \$2,499)</p> <p><b><u>Honor Roll Donor</u></b> (\$150 - \$249) Mack W. Bergstedt Nathan Zeigler Samuel Ratnasigamani Phil Hayes Nathan Lang James Boggs Cheyenne A. Alabanzas</p>



Fellow ASHRAE Members,

**Through your generosity our chapter has currently raised more than \$8,000 for ASHRAE RP so far this year!** Keep it up, your generous contributions will pay back in countless ways to our local and broader industry as a whole!

It is through the funds generated for RP that all ASHRAE codes, standards and design guides are researched, written and implemented into the built environment where we live and work. Thank you for your generous support, it is only through your donations and involvement that we can continue to advance the knowledge, quality and standards for our built environment.

I have often heard the question, "How are my RP donations used?" and "What benefit do RP donations have for Alaska?"

- ASHRAE RP funds are pooled at the society level, then with the entire society's resource potential the funds are redistributed in order to achieve the highest potential output.
- It is through the funds generated for RP that all ASHRAE codes and standards are researched, written and implemented into the built environment that we live in.
- RP funds return to Alaska in various forms such as university research grants, scholarships, and technical committee funding.

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.ashrae.org/RP> and scroll down the page to select the "ONLINE CONTRIBUTION FORM" link.
- You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE RP; 180 Technology Parkway; Peachtree Corners, GA 30092.
- You can also donate when you renew your membership on line. After you have made your selections for renewal the next page is for donations 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, please let me know and I will update the page for next month. Please feel free to contact me 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,  
Cheyenne A. Alabanzas  
Alaska Chapter Research Promotion Chair, [calabanzas@rsa-ak.com](mailto:calabanzas@rsa-ak.com)



## Chapter Sponsors:

## 2021-2022 ASHRAE Alaska Chapter Sponsors


**Gold Chapter Sponsor: \_\_\_\_\_ (\$5,000)**

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**Forget-Me-Not Chapter Sponsor: (\$2,500)**

**Chapter Meeting Sponsor: \_\_\_\_\_ (\$1,000)**

**Chapter Web Sponsor: \_\_\_\_\_ (\$350)**

   
**Engineering, Inc.**

In the past couple of years, the Alaska Chapter introduced chapter sponsorship levels to help recognize those who have steadfastly supported the Alaska Chapter over the years. Included with these sponsorship levels are various 'chapter benefits' as a way of thanking and honoring the generosity of our loyal supporters.

Portions of the sponsorships are utilized to help fund the Alaska Chapter operations as well as donated to ASHRAE Research Promotion in the sponsor's name.

Below is a list of the sponsorship levels along with the 'chapter benefits' for each level of donation.

### Corporate Donations:

Corporate donations to the Alaska ASHRAE Chapter are recognized in five tiers:

#### • Gold Sponsorship: \$5,000 & Above

• (1) Foursome team for annual golf tournament • (1) Hole sponsorship for golf tournament • (1) Seat for every chapter meeting -OR- (1) Range Sponsorship during Annual RP Shoot out • Announcement of your sponsorship during all meeting introductions and events. • Logo on website • Business card advertisement in newsletter (September – May) • Job postings on the ASHRAE Alaska website and on the newsletter • RP Donor Level - ASHRAE Associate: (Gold Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll)

#### • Forget-Me-Not Chapter Sponsorship: \$2,500 - \$4,999

• (1) Range Sponsorship during Annual RP Shoot out • (1) Hole Sponsorship during Annual Golf Tournament • Announcement of your sponsorship during all meeting introductions and events. • Logo on website • Business card advertisement in newsletter (September – May) • Job postings on the ASHRAE Alaska website and up to (2) on the newsletter • RP Donor Level - Major Donor – Silver: (Silver Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll)

#### • Chapter Meeting Sponsor: \$1,000

• Sponsor's table available with display and literature prior to meeting (A website link and a hole or range sponsorship will be made available as an alternative for a virtual meeting sponsorship) • Logo on welcome message during monthly chapter meetings • Announcement of your sponsorship during the meeting introduction • Logo on website • Business card advertisement in newsletter (September – May) • RP Donor Level - Major Donor – Bronze: (Bronze Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll)

#### • Web Sponsorship Package: \$350

• Logo on website • Business card advertisement in newsletter (September – May) • RP Donor Level – Honor Roll (Individuals only): (Receive blue desktop coin holder, Listed in the annual Investor Honor Roll)

#### • Newsletter Sponsorship: \$150

• Business card advertisement in newsletter (September – May)

**Tom Fisher**  
President

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