



# Punch List

## President's Message

### Contents

- President's Message ..... 1
- May Chapter Meeting .....2
- Upcoming Meetings .....3
- NEEC and ASHRAE News .....4
- New Student Chapter .....5
- PSEC Metoring Opportunities.. ....6
- ASHRAE Golf Field Day .....7
- Outstanding Items.....8

Dear Chapter Members & Friends,

Our last chapter meeting of the year will happen on Wednesday May 20th at the Rock Bottom restaurant. At the meeting we will introduce the new board of governors that will be elected soon by all our members. You will receive in the next 10 days an email to cast your vote. At the meeting we will also announce our 2015 chapter Technology Awards.

I have served on the board of governors for the last 5 years and as I recently shared with other members of the board my involvement has been very rich and memorable. There is nothing like being part of a volunteer organization and I have received much more than I thought. I have had the privilege to work side by side with so many amazing dedicated volunteers.

I encourage all of you to make that same step and become more involved with the chapter organization. The chapter needs your voice, your enthusiasm and your energy. There are several positions to fill and your involvement can start with a committee participation. So you can email me or talk with me in person at our chapter meeting on May 20th.

To conclude I would like to encourage again our members and friends in participating to our annual **ASHRAE Golf Field Day** that benefit **ASHRAE Research**. The event takes places this year on Friday June 5 at the Harbour Pointe Golf Club in Mukilteo. It is not too early to form teams and reserve a foursome for the Tournament.

Sincerely,

*Michel Sotura*  
2014-2015 Chapter President



### Chapter Officers

- President** *Michel Sotura, PE*
- President-Elect** *Tamas Besnik, PE*
- VP/Secretary** *Kathi Shoemake, PE*
- Treasurer** *Tiffany Rourke*

### Governors

- Carmen Cejudo, PE*
- Seth Pike*
- Alan Burt, PE*

### Other Contacts

- Research Promotion** *Alan Burt, PE*
- Honors & Awards** *Brian Wolford*
- Industry Directory** *Alan Burt, PE*
- Technical Activities** *Brice Kosnik*
- Historian** *Seth Pike*
- Website, Punch List** *Carmen Cejudo, PE*
- Receptions** *Carmen Cejudo, PE*
- Nominations** *Brian Wolford*
- GGAC** *Tamas Bencsik, PE*
- YEA** *Ron Wilkinson*
- Membership** *Todd Rowe*
- Student Activities** *Brian Emtman*
- Publicity** **OPEN**
- Refrigeration** **OPEN**



## May 20th Chapter Meeting: Sound Advice by Randy Zimmerman

Good acoustical design plays a major role in creating comfortable and productive indoor environments. Air terminal units and air outlets are located in close proximity to occupants, so they tend to have the greatest impact on room sound levels. The proper sizing and selection of these products is critical to achieving the desired acoustical environment. Manufacturers publish sound performance ratings but they are of little value without a proper understanding of what they mean and where they come from. In order to properly specify system components, a basic knowledge of acoustical terminology, ratings and criteria is required.

Attending this session will improve your knowledge and understanding of HVAC acoustics.

- You will learn about the various industry standards used for testing and rating the acoustical performance of terminal units and air devices.
- You will learn how to apply manufacturers' acoustical data in order to achieve design goals.
- You'll learn the differences between noise criteria and the importance of sound quality in creating optimal acoustical environments.

- You will learn the best techniques for specifying acoustical performance.
- You will learn how to select and install terminal units and air devices for improved acoustical performance.

We look forward to seeing everyone at the meeting!

### Speaker Bio

*Randy Zimmerman, HVAC Chief Engineer, TITUS*

Randy has more than 30 years of experience in HVAC Product Engineering and Research/Development. His areas of expertise include acoustics, terminal units, and control systems.

In March 2015, he was named Distinguished Lecturer by the ASHRAE for his topic, "Sound Advice," which discusses acoustical applications/specifications for terminal units and air inlets/outlets. The topic article was featured as the ASHRAE Journal cover story in ASHRAE Journal, vol. 55, no. 7, July 2013.

Randy earned his Bachelor of Science in Mechanical Engineering from Texas Tech University in 1983.

**Wednesday, May 20th**

11:30 AM - 1 PM

**Rock Bottom Brewery**

**Unico Room**

\$35 Members - \$40 Guests  
Students Free!

Tickets available now

BROWN PAPER TICKETS

<http://bpt.me/1558554> or  
Search ASHRAE

# Puget Sound ASHRAE Young Engineers

## May Reception at the Smart Buildings Center



**Wednesday, May 27th - 5:30 PM - 8:30 PM**

Pacific Tower: 1200 12th Avenue S., Seattle, 98144

BROWN

PAPER

TICKETS

<http://bpt.me/1558563> or Search ASHRAE

There will also be a preview of the new SBC/NEEC Tool Lending Library that will provide professional quality instrumentation for tuning and studying green buildings.

This event is open to all persons in the building design, construction and operations sectors. *We really want to see broad participation.* YEA receptions are free and include complimentary light refreshments.

- **Save the Date: June 24th Reception**  
A YEA join event with AIA Seattle's Women in Design Forum at Arup's downtown office.

Supporting YEA helps grow our HVAC&R talent pool and community. Please consider sponsoring a **Table Top Display** at a Chapter Meeting for \$300. All sponsorships are directed towards YEA events like those above.

Take advantage of exceptional exposure to our young members by hosting a YEA Event at your firm. Contact YEA Chair Ron Wilkinson: [yea@pugetsoundashrae.org](mailto:yea@pugetsoundashrae.org)

### Experience the New Pacific Tower

Join us on at the new SBC space in the Pacific Tower on **May 27, 2015 from 5:30 to 7:30pm.**

The Puget Sound Chapter of Young Engineers in ASHRAE (YEA), the Smart Buildings Center (SBC), and the Northwest Energy Efficiency Council (NEEC) will co-sponsors the event.

The sponsors share many overlapping goals including growing the energy efficiency industry in Washington and increasing interest among young engineers in building energy efficiency.

The SBC, likely with NEEC, is relocating to offices to the first floor of Pacific Tower. The Tower will become a prime Northwest example of the greening of an historic building when it opens in the fall of 2015.

The SBC and NEEC have arranged a sneak preview of the building, a presentation about its energy efficient features, and an inside look at the SBC office space.



## 2012 Washington State Energy Code - Commercial Provisions Trainings

The Northwest Energy Efficiency Council (NEEC) is pleased to announce that the Mechanical Compliance Forms for the 2012 WA State Energy Code (WSEC) have been updated with many new features and helpful information. NEEC is hosting a webinar to explain how to use these new forms to document WSEC compliance.

### TOPICS COVERED IN NEW FORMS INCLUDE:

- Mechanical compliance path
- Design load calculations
- Economizer and exceptions
- Equipment efficiency
- Ventilation
- Zone DCV and occupancy controls
- Commissioning
- Fan flow control
- Fan power
- Hydronic part load controls
- Energy recovery
- Multi-zone air terminal compliance
- Low energy and semi-heated space eligibility
- Decision flow chart to determine which forms are applicable for a new construction project or mechanical system retrofit

### PRESENTERS

**LISA ROSENOW**, Senior Program Manager – NEEC

Lisa develops educational programs, resources and provides training and technical assistance for the commercial and multifamily provisions of the WSEC.

### MECHANICAL COMPLIANCE FORM WEBINAR

**DATE:** Thursday, May 14th, 2015

**TIME:** Noon – 1:30pm

**COST:** Webinars are **FREE** thanks to the generous support of our regional and local sponsors. Pre-registration is required.

### REGISTRATION

Click on this link to register <https://www.eventbrite.com/e/wsec-mechanical-compliance-forms-tickets-16728364990>

### WEBINAR HOSTING

Hosted webinars may be eligible for 1 hour of training CEUs. Send us an email if you are interested in hosting this training event.

### ADDITIONAL TRAININGS

Classroom trainings that provide additional detail about the mechanical system topics covered in this webinar will be offered in various locations around the state in June and July 2015. Dates and locations will be posted to the NEEC website soon! – <http://www.neec.net>.

### QUESTIONS?

Contact Lisa Rosenow at the Northwest Energy Efficiency Council at [lisa@putnamprice.com](mailto:lisa@putnamprice.com), (206) 624-0283.

*Support for these trainings is provided by the Northwest Energy Efficiency Alliance.*



Join us at **ASHRAE's 2015 Annual Conference**  
June 27–July 1 | Atlanta, Georgia | [www.ashrae.org/atlanta](http://www.ashrae.org/atlanta)

Special first time attendee registration fee available!

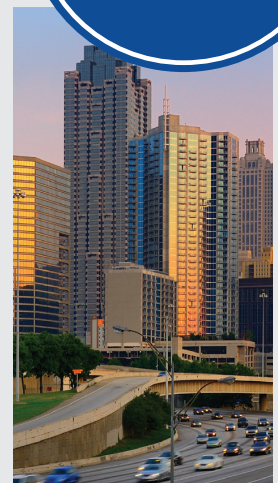
Join ASHRAE in its hometown of Atlanta! Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and modeling, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; sit for an ASHRAE certification exam; and earn professional development credits.

**Conference Technical Program**—includes the third annual Research Summit, which brings together researchers to present and discuss the latest research. Tracks focus on the design, construction and operation of high performance buildings, specifically advanced design guidance, modeling, operation and optimization, and indoor air quality. Laboratories, refrigeration, fundamentals, applications, systems and equipment round out the program.

**Networking**—share ideas and learn from fellow members from your hometown and around the world.

**ASHRAE Learning Institute**—choose from two full-day professional development seminars and seven half-day short courses to stay current on new HVAC&R technologies.

**ASHRAE Certification**—to gain a competitive edge, apply by June 9 to sit for an ASHRAE Certification exam.



## Help Us Celebrate a New Student Chapter!

In February, **North Seattle College and Shoreline Community College** joined forces to start an ASHRAE Student Chapter that is based at the North Seattle College campus.

The first meeting had 30+ enthusiastic student attendees, and we are off to a great start with 20+ students having joined Society. We expect more as well with new groups of students joining the programs each quarter.

Both programs are collaborating to build a cross campus offering for professional-technical training in HVAC Technology, Building Science, Building Energy Efficiency, and Solar PV/Thermal in order to begin careers in the High Performing Building industry. It is intended that students will be able complete courses based on their interests at both campuses to work towards their degrees.



### Open House North Seattle Campus: Wednesday July 1st 4 pm to 7 pm

The Open House is intended to introduce local industry professionals, and allow our students from both HVAC and Clean Energy Technology, and local ASHRAE members to meet.

We are looking for people to present their work at the open house. Topics can be on anything related to net zero energy, HVAC, building efficiency or other high performing building systems that represents the great work going on in town. An objective for us from the student learning perspective is to showcase the many things that are career possibilities in this industry. We would really like to see you there, and the more the better.

If you would be interested in presenting, or chat for any purpose, please contact David Redding at North Seattle College at [david.redding@seattlecolleges.edu](mailto:david.redding@seattlecolleges.edu)

### Call for Technical Advisory Board Members

We have a need for Technical Advisory Board Members to build and advise development in both programs at Shoreline and North Seattle. The commitment is for 2-3 meetings a year. We especially need people representing consulting engineering, energy efficiency, controls, manufacturers, and facilities managers.

We are seeking professionals representing all experience levels from 3-5 year, 5-10 year, and 15+ year categories so we understand the industry need as well as possible.

If you are interested in serving on one or both of these committees please contact David Redding at North Seattle College at [david.redding@seattlecolleges.edu](mailto:david.redding@seattlecolleges.edu).

Our objective is to help develop a HVAC, Building Efficiency, and Solar workforce capable of striving towards Net Zero energy.

# Puget Sound Engineering Council Mentor Nights



PSEC Mentor Nights are hosted at participating colleges and universities with the purpose of giving engineering students an opportunity to ask questions in person from a variety of practicing engineers. Discussions cover a wide spectrum of engineering disciplines, professions, career pathways, continuing education post-graduation, professional registration considerations, professional engineering organizations, responsibilities, and ethics. Pizza and refreshments provided.

These *one night* volunteer events are a great way to meet other chapter members and to encourage future engineers. More information about PSEC Mentor Nights can be found **HERE:** <http://pseconline.org/Events/MentorNights/>

For more information, contact Brian Emtman at [students@pugetsoundashrae.org](mailto:students@pugetsoundashrae.org).



## UPCOMING PSEC MENTORING EVENTS:

- **May 6th 2015, 6 - 8 pm: Bellevue College**  
*Register Now: <https://www.eventbrite.com/e/2015-bellevue-college-engineering-mentor-night-tickets-15854872350>*
- **October 2015:** Seattle Pacific University & UW Bothell
- **November 2015:** Seattle University

## Support ASHRAE Research!

Since 1919, ASHRAE has supported research to improve the quality of life. ASHRAE Research impacts the industry by improving the way HVAC&R systems work, how they are applied and allow development of technical information to create standards and guidelines, which serve as the basis for testing and design practices around the world.

**Make your contribution online today:**  
[pugetsoundashrae.org/research-promotion/](http://pugetsoundashrae.org/research-promotion/)

If you have questions regarding ASHRAE Research, Education (ASHRAE Learning Institute), ASHRAE Foundation, or General Fund for special projects and programs, please contact me at (206) 839-0819 or [rp@pugetsoundashrae.org](mailto:rp@pugetsoundashrae.org). Thanks! -*Alan Burt, PE*, 2014-2015 RP Chair





## 2015 Annual ASHRAE Golf Field Day Benefiting ASHRAE Research



**Friday June 5, 2015**

Harbor Pointe Golf Club

11817 Harbour Point Boulevard

Mukilteo, WA 98275

Get into the swing of things! Our annual Golf Tournament is back, with all proceeds benefiting ASHRAE Research. There will be contests, trophies, gift certificates, door prizes, dinner, and fun!

**ASHRAE Research** advances the needs of the HVAC&R industry by supporting professional development and research programs and provide engineering students with scholarship opportunities.

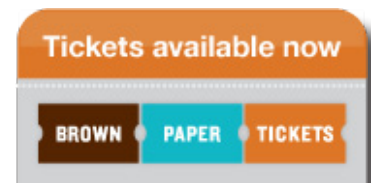
### Golf Field Day Schedule

11:00 - 11:45 am Check-in

12:00 pm Golf tournament Shotgun Start

6:00 pm Dinner and Awards Banquet

- Dinner Only: \$35
- Single Tournament & Dinner: \$150
- Foursome Tournament & Dinner: \$600
- Hole Sponsorship: \$500



**<http://bpt.me/1315960>**  
or Search ASHRAE

# Outstanding Items

## Local News of Interest



### Sad News: Local Member Alfred H. Killip, PE, Passes

Alfred (Al) Hartzell Killip passed away on Friday evening, Feb. 1 at the age of 81. Al was born on July 25, 1933 in Cleveland, OH, the only child of Thomas A. and Helen L. Killip. He is survived by his wife, Geri, and nieces and nephews and their families. He and Geri moved to WA in 1970 to start a new job. Al was a Professional Mechanical Engineer for 39 years. He loved his work which allowed him to travel to many countries. He ended his career at the Boeing Company in 1998.

There was a memorial service on Sunday, April 26th. Contributions in Al's honor may be sent to Seattle Union Gospel Mission or Alliance Bible Church.



### Harry Clayton Sutch Scholarship Deadline May 11th

This scholarship was established in the will of Mrs. Helen Sutch in the early '90s, in memory of her husband Harry Clayton Sutch who was an active member in Puget Sound ASHRAE. Scholarships will range from \$2,000 - \$4,000.

If you know of a student interested in the HVAC&R industry, please have them contact Student Activities Chair, Brian Emtman at: [students@pugetsoundashrae.org](mailto:students@pugetsoundashrae.org).



### Local Job Openings

Our City and Industry is booming! Visit <http://pugetsoundashrae.org/jobs> for more info. Our most recent job openings are:

- Commissioning Project Manager – Burns & McDonnell's
- Project Engineer – Merit Mechanical
- Sr. Mechanical Engineer – Merit Mechanical
- Energy Engineer – University of Washington

If you'd like to advertise a job opening, please e-mail [jobs@pugetsoundashrae.org](mailto:jobs@pugetsoundashrae.org)



### Chapter BOG Team Taking Calgary by Storm at Region XI CRC

Board of Governors members Tamás Besnik, Kathi Shoemake (pictured left) and Brian Emtman are representing our chapter at this year's Chapter Regional Conference in Calgary, Alberta, Canada. We look forward to hearing about the latest news from Society and the skills they've learned on how we can improve your membership.