



Punch List

President's Message

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We are wrapping up 2014 and would like to point out several significant developments that have marked this calendar year:

- The ASHRAE Society Summer Conference held at the Washington Convention Center in June was a great success and many local members supported its organization.
- The Puget Sound chapter leadership was renewed with younger and very dynamic members who will carry the organization to new horizons for the coming years.
- There is a renewed interest from our members in our regular chapter meetings and technology luncheon events.
- We have developed new online tools to stay connected to our chapter activities. Our website <http://pugetsoundashrae.org> provide our members with upcoming activities, local job postings, punch list, history information and soon to come an electronic version of our member directory.

If you would to participate in the operation of our chapter feel free to email me or discuss with one of the chapter board members.

This month we will not have a regular chapter meeting since the monthly chapter event will be a TOUR of the Seattle Aquarium on December 10th at 11 am. We will have access to the back of the house mechanical systems of the recently renovated aquarium and understand the complexity of the operation associated with this type of facility.

To conclude this year I would like to wish you a Happy Holiday Season.

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*
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*
Receptions *Carmen Cejudo*
Nominations *Brian Wolford*
GGAC *Tamas Bencsik, PE*
YEA *Ron Wilkinson*
Membership *Todd Rowe*
Student Activities *Brian Emtman*
Publicity **OPEN**
Refrigeration **OPEN**



December 10, 2014: Aquarium TOUR

This month we're changing it up with a behind the scenes Tour of The Seattle Aquarium!

We will have access to the back of the house mechanical systems of the recently renovated (2010) aquarium and understand the complexity of the operation associated with this type of facility.

Robert Kiel, Aquarium Engineer, is a 28 year employee of the Seattle Aquarium will be providing us with a guided behind the scenes tour of the aquarium's mechanical, plumbing, life support and wave generation systems.

The tour will start at 11:00am and last approximately 1 hour.

Space is Limited, So Register Early!

NO WALK-INS ACCEPTED.

**Wednesday,
December 10th**

11:00 AM - 12:00 PM
Seattle Aquarium
1483 Alaskan Way
Seattle, WA 98101
Cost: Free!

Tickets available now

BROWN PAPER TICKETS

<http://bpt.me/1016923> or
Search ASHRAE

Puget Sound ASHRAE Upcoming Meetings

December 18th TAC Meeting Design & Economics of Commercial Ground Loop Heat Pump Systems

This presentation concentrates on the economic impact of project specific variables as well as decisions made (or sometimes, not made) by the design engineer and how defining these details can greatly reduce the first cost of a Ground Loop Heat Pump (GLHP) system.

The presentation begins with a quick overview of the components of the GLHP System, and the basic design and installation of the ground loop. Commercial Ground Loop Design Software is reviewed and then utilized to illustrate the economic impact of project specific variables. This discussion concludes with hybrid system design and the opportunities that hybrid systems offer in additional first cost reductions with minimum impact to the operating cost of the GLHP system.

Thursday, December 18th

12 PM - 1 PM

901 5th Avenue, Seattle 98164

Room 1930

BROWN

PAPER

TICKETS

<http://bpt.me/879679> or Search ASHRAE

Speaker Bio: Alan Niles

Alan Niles, Western Region Commercial Sales Manager for WaterFurnace International, is a mechanical engineer with over 26 years of experience working with manufacturers of commercial water source heat pumps (WSHPs) and ground loop heat pumps (GLHPs) concentrating on commercial tower/boiler system design and commercial geo-exchange system design. Since 2009, he has been at WaterFurnace International, a manufacturer of WSHP's and GLHP's. For 11 years, Alan had been a Regional Commercial Sales Manager at FHP Manufacturing and for 10 years prior, he had been an Applications Engineer and later a Commercial Sales Engineer at Climate Master, both companies being manufacturers of WSHPs and GLHPs.

Alan Niles earned his BSME at the University of Oklahoma in 1987. He took course work in commercial GLHP system design from the International Ground Source Heat Pump Association (IGSHPA) and received IGSHPA certification for

commercial ground loop design in 1989. In 1993, he received IGSHPA certification for the installation of ground loop system components.

Throughout his career, Alan Niles has been promoting energy efficient HVAC technology through presentations to local ASHRAE chapters, regional and national trade shows, and by providing technical assistance to architects and engineers in their design of high efficiency heating and cooling systems.

Alan Niles had been elected in 2012 for the honor of Distinguished Lecturer for ASHRAE, speaking on the topics of economics and design of commercial ground loop systems. In 2013, Alan Niles' article "Net-Energy Water Loops," published in the August edition of HPAC (Heating/Piping/Air Conditioning) Engineering, introduces the use of these water loop systems as the integral building block for a building-wide net zero energy system.

Young Engineers of PS ASHRAE Meetings

There will be no YEA meeting this month due to the holidays.

We have several exciting events planned for next year! The 2015 YEA calendar will start off at Microsoft in Redmond. After their great presentation to ASHRAE TC 7.5 we could not resist combining an update with a tour of the FDD Lab and Operations rooms at MS in Redmond.

The following month will be a reception at the Seattle Tesla showroom featuring rides in the world class electric sports car and a program about Tesla's new zero energy giga-factory outside of Reno, Nevada.

A recent addition for June, 2015 is a joint meeting with the AIA Young Architects Forum (YEA) and Women in Design (WID) at Arup. More details to follow.

- January 28, 2015: Microsoft Tour, Redmond
- Feb or March 2015: Tesla Showroom, Seattle
- June 2015: YEA/WID Joint meeting, location TBD

Let YEA Chair Ron Wilkinson (yea@pugetsoundashrae.org) know if your firm would like to host one of the events and take advantage of the excellent exposure provided by these receptions.



Join ASHRAE at its **Winter Conference** in Chicago, Jan. 24–28 **and AHR Expo** Jan. 26–28

Special first time attendee registration fee available! Advanced registration, offering the lowest rates, ends Nov. 3.

REGISTER EARLY!

- Gain personal and career excellence through peer contact, exchange of technical information and continuing education.
- 20 high-quality, authoritative Professional Development Seminars and Short Courses presented by the ASHRAE Learning Institute.
- Visit the World's Largest HVAC&R Marketplace. The AHR Expo brings the entire industry together to see the latest products and technology, learn about innovations and trends that are shaping the future, and build new relationships.
- With the Conference being held in the big city of Chicago, the Technical Program itself is going big with a focus on big projects, the big picture and big impacts. Eight tracks are featured.
- Gain valued credentials held by top engineers via ASHRAE's six Certification programs.
- See the technology you help create first-hand via a Technical Tour.



www.ashrae.org/chicago | www.ahrexpo.com

**2015
AHR
EXPO[®]**
JAN 26-28
CHICAGO

ASHRAE **AHR**

Outstanding Items

Local News of Interest



Local Job Openings

We continue to post several excellent HVAC&R opportunities to our Jobs Board.

<http://pugetsoundashrae.org/category/jobs/>

The most recent are:

- Sales Representative: Olympic Engineered Sales, Inc.
- Mechanical Engineer: Arup
- Engineered Outside Sales: Hurley Engineering
- Mechanical Design Engineer: Local Firm
- HVAC Project Engineers: Notkin

If you'd like to advertize a job opening, please email jobs@pugetsoundashrae.org



WSEC 2015 Code Change Proposals

Proposal changes to the 2015 WSEC are due by March 1, 2015. For additional information please follow the link.

<https://fortress.wa.gov/ga/apps/sbcc/Page.aspx?nid=55>



Groundswell 2014, CASCADIA USGBC

Join us for the world's greenest holiday party!

Whether you're a longtime Cascadia Green Building Council Member or new to the bioregion, you're invited to Groundswell. Our holiday celebration is a fun and light-hearted opportunity to enjoy delicious (and local) food and drink, make new connections and toast to another year of green building innovation.

December 5, 2014 | 7:00pm-10:00pm

The Bullitt Center

1501 E Madison St., Seattle, WA

Find out more at the <https://living-future.org/node/838>

Indoor Air Quality Association Seattle Chapter



Upcoming Workshop

“Ebola and More: Current Challenges in Infection Control in Hospitals, Schools and the Workplace”

December 4, 2014

Course Information	Overview of Workshop
<p>Date: December 4, 2014</p> <p>Time: 11:00 AM - 2:00 PM</p> <p>Cost: IAQA Members: \$45.00 Non-Members: \$60.00</p> <p>Location: Swedish Cultural Center 1920 Dexter Avenue N. Seattle, WA</p> <p>Free parking, three lots (limited)</p> <p>To Register: Email: mike.s.smith@amec.com</p> <p>Phone: 425-368-0969</p> <p>Fax: 425-368-1001</p>	<p>Ebola, Norovirus, Enterovirus D68 are just a few infectious diseases grabbing headlines but presenting problems for many industries including healthcare, school districts, public buildings and the workplace in general. The Seattle IAQA and Pacific NW Section - AIHA are pleased to present two highly respected and knowledgeable practitioners to educate us on current trends in infectious disease prevention, transmission and response.</p> <p style="text-align: center;">Presenters</p> <p style="text-align: center;">Jeanette Harris, MS, MSM, MT(ASCP), CIC Infection Preventionist-Surgical Specialist MultiCare Health System Puyallup, WA</p> <p style="text-align: center;">Nancy Bernard, MPH Program Manager, IAQ/School EHS Office of Environmental Health, Safety, & Toxicology Washington State Department of Health Olympia, WA</p> <p style="text-align: center;">Educational Units</p> <p>ACAC- Email mike.s.smith@amec.com for certificate</p> <p style="text-align: center;">Lunch is Provided</p> <p>Buffet lunch will include salad, rolls, wild rice, veggies, chicken and beef brisket, and dessert. Coffee, hot and iced tea and ice water will be provided.</p>