

# Oregon Society for Healthcare Engineering 35th Annual Spring Conference



**May 9 – 11, 2018**

***Golf Tournament: May 9<sup>th</sup>***

***“Healthcare Facilities Management -  
Beyond the Basics”***



*Offering \_\_ Contact Hours & .\_\_ CEUs  
by the American Society for Healthcare Engineering of the  
American Hospital Association*

**The Riverhouse Hotel & Convention Center  
Bend, Oregon**

**Conference & Golf Prime Sponsors:**



## PROGRAM SCHEDULE

### Wednesday, May 9, 2018

8:30 am – 7:00 pm **Golf Event (Shotgun Start)**  
Rivers Edge Golf Course

**Flight 1: Tee Time 8:30am to 1:30pm.** Breakfast will be provided.

**Flight 2: Tee Time 2pm to 7pm.**

**Golf Supporting Sponsor: Perlo**

**Golf Lunch Sponsor: Johnson Barrow Oregon**

**Golf Cart Sponsors: Total Mechanical, Inc., Trane &  
Columbia Roofing & Sheet Metal**

8:00 am – 7:00 pm **Technical Exhibitor Move In**

5:00 pm – 7:30 pm **Welcome Social & No-Host Bar**  
Cascade CDEF, Corridor & Deck  
On-Site Registration/Check-in

### Thursday, May 10, 2018

7:00 am – 8:30 am **Breakfast Buffet**  
Cascade ABGHIJ

7:00 am – 12:00 pm **Registration/Check-in**

7:00 am – 8:00 am **Technical Exhibit Hall Opens**

8:00 am – 8:15 am **Welcome & Opening Ceremony**  
Matt Stormont, OSHE President, Manager  
Operational Compliance, OHSU  
Cascade ABGHIJ

8:15 am – 9:30 am **Keynote Speaker**  
Rob Hinton, Director of Operations and  
Maintenance at the University of Washington  
Medical Center  
Cascade CDE  
**Sponsored by: Pall Medical**

9:30 am – 10:00 am **Break/Exhibit Hall & Networking**  
**Exhibitor Door Prize Drawings**  
Cascade ABGHIJ  
**Sponsored by: Air Reps, ARC & MacDonald Miller**

## BE SURE TO VISIT OUR EXHIBITORS

AFNW, Inc.  
Air Reps  
ARC  
ASSA ABLOY Entrance Systems (BESAM)  
ATG, a JLL company  
ATS Facility Systems  
Bailey Sales  
BeaconMedaes  
Belimo Americas  
Camfil USA  
CBRE | Heery  
Christenson Electric, Inc.  
Clima-Tech Corporation  
Cole Industrial, Inc.  
Columbia Roofing & Sheet Metal  
Cook Security Group  
CopperTree Analytics  
Creative Lighting  
Delta Connects  
dormakaba USA, Inc.  
EQ2  
Extra Effort Consulting & Supply, LLC  
Fire Door Solutions  
Graybar and Pelco  
Harder Mechanical Contractors  
Healthcare Design Solutions  
Healthcare Services Group  
Hubbell Wiring Device/Kellems  
Integrated Systems Group  
Johnson Controls Fire Protection LP  
LCC/Building Operator Certification  
MacDonald-Miller  
McKinstry  
Mechanical Sales, Inc  
Modular Services Company  
Northwest Control Company  
Pall Medical  
Performance Systems  
Peterson Cat  
Precision Images  
Primex  
Proctor Sales Inc.  
Rogers Machinery Company  
Schulz Associates  
SERVPRO of Bend  
Siemens Industry, inc.  
Straight Up Elevator Co.  
Sustainable Mechanical Systems  
The Partworks, Inc.  
Total Mechanical, Inc.  
Trane  
Tremco roofing & Building Maintenance  
West-Com & TV, Inc.  
wgbm  
Wittrock HC

**Many thanks to our supporters!**  
**Conference & Golf Tournament Sponsors:**



10:00 am – 11:00 am **Concurrent Breakout Session 1**  
**“Mobilizing Your Facility Operations - Productivity Through Data Analytics”**  
*Mike Johnson, MacDonald-Miller*  
 Cascade CDE  
**Sponsored by: Andersen Construction**

Critical HVAC and other infrastructure such as Fire Alarm and Security systems are no longer standalone systems and are increasingly being specified as having some form of interconnectivity. The trend of these systems and interconnectivity demands are increasing. The demand on facilities continues to increase, while at the same time capital and operating resources stay the same or decrease. How can facilities capitalize their current critical resources and make use of all that data?

**“The Advancement of Pressure Independent Technology”**  
*Gary Cole, Belimo Americas*  
 Lower Level Banquet Room

A review of the evolution of pressure independent technology up to the current “state of the art”. Discuss variable flow hydronic systems. Understand water coil behavior and heat transfer. Describe low delta T syndrome and its negative effects. Explore the two types of pressure independent valve technologies. Introduce Intelligent Control Valve technology.

11:00 am – 12:00 pm **Concurrent Breakout Session 2**  
**“Meeting, Tracking and Reporting Regulatory Compliance Requirements with CMMS”**  
*Rich Sable, EQ2 and Keith Geary, Mason General*  
 Cascade CDE (Panel Presentation)

Automation has become a strong force in many areas of the hospital, but what about for facilities management? Can automation be harnessed to help facilities management and their maintenance teams more easily and effectively manage these day to day

concerns? Can transparency into the real-time status for specific Elements of Performance be achieved?

What about management of the Equipment Lifecycle? We will explore each of these areas components, it is vital to develop a planned "CAPITAL" maintenance" program that prioritizes needs and supports capital budget planning.

### **"Alternative Hot Water Solutions using Water to Water Heat Pumps"**

*Oscar Peraza, JCI's Chiller products*

Lower Level Banquet Room

At a time when fossil-fuel costs are high and continue to rise, energy bills are scrutinized for ways to trim costs. One smart option is to improve the energy utilization of your facility's HVAC system by repurposing heat that would otherwise be discarded. This can be accomplished with a water-to-water heat pump (WTWHP). Heat is extracted from a low-temperature source, and its temperature is raised to a level which is useful for heating or domestic hot water.

12:00 pm – 2:00 pm

### **Lunch & Networking**

**Door Prize Drawings**

Cascade ABGHIJ

**Sponsored by: Delta Connects**

2:00 pm – 3:00 pm

### **Concurrent Breakout Session 3**

#### **"Managing Assets to Drive Performance"**

*Micah Rolfe, PDM Specialists*

Cascade CDE

Having reliable equipment is the product of a proper design and execution of a maintenance plan. Reliability Centered Maintenance is the process of determining the most effective approach to drive equipment performance and reduce cost. By using all four types of maintenance a 'one-best' solution can be derived to drive continuous improvement. This presentation will touch on the types of maintenance and how to decide on what will work best for your organization.

3:00 pm – 3:30 pm

### **"Clinically Proven Disinfection for Potable Water Systems"**

*Maile Akina, LiquiTech*

Lower Level Banquet Room

When done right, a good water disinfection program is not only considered best practices, but it's a valuable risk mitigation strategy. Antibiotic Resistance is growing, and treatment options are running out. Preventing as many of these infections as possible is the pillar of a complete antibiotic stewardship program. Plus, bacteria in water supply is driving up healthcare costs. There are several considerations that should be evaluated when choosing a secondary disinfection method, which we will cover during this presentation.

3:30 pm– 4:30 pm

### **Break/Exhibit Hall & Networking**

**Exhibitor Door Prize Drawings**

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**Sponsored by: McKinstry**

### **Concurrent Breakout Session 4**

#### **"NFPA 70-E; Application of Arc Flash Safety"**

*Tom Pride, Mazzetti*

Cascade CDE

NFPA-70E regulates the engineering and application of Arc Flash Safety. Much focus in recent years was achieving the initial Arc Flash Study and labeling the gear as required. This presentation focuses on what happens after the study- when does it need to be reviewed, when should it be revised, how do site electricians and contractors use the provided information, and how does a facility ensure that the labels are correct and trust worthy after application.

### **"Icemaker & Dispenser Maintenance"**

*Ernie Tarof, Follett*

Lower Level Banquet Room

Course and discussion outlining principles and procedures of cleaning, de-scaling and sanitizing icemaking and ice dispensing for patient care. Topics

covered include proper selection and use of evaporator cleaning and sanitizing agents, their concentrations and their use as related to NSF approved procedures. Water filtration including implications of carbon vs. carbonless filters also discussed.

5:30 pm – 8:00 pm

**Banquet Dinner, Awards & Entertainment  
"Brilliant in the Basics"**

*Jonathan Fanning, Entrepreneur, Parent, Citizen  
Cascade CDEF, Corridor & Deck*

In October of 1805, the crew on Nelson's HMS Victory were absolutely brilliant in the basics, and they won the Battle of Trafalgar. Just 7 years later, they were not. What happened? This incredible story is repeated throughout history. Is there an area of your life, your leadership, your organization, your community, your family - that needs to become "Brilliant in the Basics"?

**Friday, May 11, 2018**

7:00 am – 8:30 am

**Breakfast Buffet/Exhibit Hall & Networking**  
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7:00 am – 8:00 am

**OSHE Board Meeting**

8:00 am – 8:30 am

**OSHE Business & Membership Meeting**  
Matt Stormont, OSHE President, Manager  
Operational Compliance, OHSU  
Cascade ABGHIJ

8:30 am – 9:00 am

**"ASHE Updates"**  
*Rick McGuffey, ASHE Region 10 Director*  
Cascade CDE

9:00 am – 10:00 am

**"Learn it the easy way or the hard way: FLS Documentation"**  
*Thane Eddington, PKA Architects; Doug Paine, Good Shepherd Medical Center; John Wood, Mazetti & Tom Jaleski, Code Unlimited (Panel Presentation)*  
Cascade CDE

FLS documentation is not merely an ancillary part of the building permit process. It is critical to achieving licensed accreditation for CMS and protecting the life and safety of the patients we serve. During this presentation, the audience will see how proactive planning and documentation of the Life Safety conditions of existing and planning for future projects pays dividends in the short and long term of a building's life

10:00 am – 10:30 am

**Break/Exhibit Hall & Networking**  
**OSHE Provided Door Prize Drawings**  
Cascade ABGHIJ  
**Sponsored by: JRJ Architects, LLC**

10:30 am – 11:30 am

**Update on "State of Oregon" Activities**  
*Speaker TBD*

11:30 am – 12:30 pm

**Main OSHE Raffle Prize Drawing & Closing Remarks!**  
Cascade ABGHIJ  
*OSHE Board Members*

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**Mark Your Calendars!**

**55<sup>th</sup> ASHE Annual Conference and Technical Exhibition**



**July 15-18, 2018**

**Indianapolis**

**OSHE's Annual Fall Conference**



**September 12-14, 2018**

The Resort at The Mountain  
68010 E Fairway Ave. Welches, OR 97067