

December, 2020



#### **Mission Statement**

The 7x24 Exchange Northwest Chapter's mission is to provide an open educational forum dedicated to the continuous improvement and increased awareness of data center reliability by focusing on the key disciplines of design, construction, maintenance, security and management with the goal of obtaining continuous data center operations.

[www.7x24northwest.org](http://www.7x24northwest.org)

### **2020 December Virtual Chapter Meeting and Presentations**

**December 9, 2020 3:30 pm – 5:30 pm PDT**

## **Data Center Symposium**

**Alternator Protection and Selective Coordination for Generators**

**Healthy Indoor Spaces**

**Hydrogen Fuel Cells for Data Center Power**

### **Sponsor Presentation**

**Alternator Protection and Selective Coordination for Generators**

**Brian Pumphrey, Director of Sales Application Engineering, Western US**

**Cummins**

A discussion regarding code standards for alternator protection and how it effects selective coordination for generators.

#### **About the Speaker**

Brian Pumphrey is the Director of Sales Application Engineering, Western US with Cummins. He has over sixteen years of experience in the power generation industry. Prior to joining Cummins Sales and Service in 2014, Brian led the Cummins Power Generation Controls Team at the Cummins factory in Minnesota. He earned his B.S. in Computer Science from the University of Colorado at Boulder.

### **Industry Presentations**

**Healthy Indoor Spaces**

**Regan Corwin, PE, Principal**

**Hargis Engineers**

What can be done to help reduce the risk of airborne pathogen transmission in buildings? Regan Corwin, PE, Principal at Hargis Engineers will give an overview of some of the strategies available to Owners and Building Operators, including operation of HVAC systems, filtration, humidification, ventilation, UV lights and other emerging disinfection technologies.

### **About the Speaker**

Regan's involvement with the science behind healthy indoor air quality (IAQ), HVAC innovation, and technologies known to augment mechanical systems has come to the forefront of stakeholder priorities. Over his 43-year career, Regan has been an avid researcher and has gained a diverse national perspective through working with a wide variety of Hargis' clients featuring diverse facility types. Advising stakeholders on how IAQ technologies have evolved during his career and the ways that system components work together to impact occupant comfort, Regan guides holistic solutions for public and private projects. Holding a Bachelor of Science in Mechanical Engineering from the University of Washington, he provides principal leadership to the Hargis Mechanical team and is a licensed professional engineer in 34 states.

### **Hydrogen Fuel Cells for Data Center Power**

**Mark Monroe, Principal Engineer in Datacenter Advanced Development Group**

#### **Microsoft**

Diesel generators are tolerated as a part of almost all data center power systems. Yet, they're noisy, they pollute, and in hyperscale-sized campuses, it can be difficult to get the required amount of air quality permits. Hydrogen is emerging as a pollution-free fuel of the future, and datacenter operators are starting to experiment with fuel cells as a possible replacement to diesel gens. We'll discuss the state of the art, the technical challenges, and the progress made to date in this talk.

### **About the Speaker**

Mark Monroe is a Principal Engineer in Microsoft's Datacenter Advanced Development group working on future systems for energy, water conservation, and automation. He is a Six Sigma Master Black Belt, with a focus on change acceleration in corporate settings. Mark led industry consortium including Infrastructure Masons and The Green Grid, and served on the board of directors for the Center for ReSource Conservation in Boulder, CO. He has a Master of Science in Mechanical Engineering from Virginia Tech.

**RSVP Today!**

**Send your RSVP to Jim Svoboda at AC Power:** [jim@acpower.com](mailto:jim@acpower.com) Phone: 425.885.7493

Or go online to our website: <https://7x24northwest.org/events>

Once we receive your reservation, we'll send you a meeting invite with the link for the webinar.

### **Future Chapter Meetings**

Due to the ongoing pandemic, we will hold a series of online webinars until it has been deemed safe to hold in person conferences again. We know everyone wants to be able to get back together, but for now, we'll stay online and stay safe. For 2021, we'll be planning on having four to five on-line sessions, or if we're lucky, we might be able to meet in person sometime later in the year.

Stay tuned and check our website often for meeting dates in 2021!

If you have an interest in presenting at one of our upcoming webinars, please contact Jim Svoboda at: [jim@acpower.com](mailto:jim@acpower.com) or Conan Lee at: [Conan.Lee@am.jll.com](mailto:Conan.Lee@am.jll.com)

## Chapter News

### Welcome to our New Media Committee Chair: Chris Perez

Chris Perez, who has presented numerous times at our Chapter meetings, now joins our Board as Chair of our Media Committee. Chris will be responsible for managing our communications environment across the web and social media. As we expand our presence across the digital environment, Chris will be a key part of our efforts to reach mission critical industry members to continuously improve data center reliability, efficiency and services across the globe.

You can reach Chris at: [christopher@7x24northwest.org](mailto:christopher@7x24northwest.org)

### Sponsorship Program

Our sponsorship program has been an outstanding success and has allowed us to bring our membership the finest in up to date and industry leading presentations and networking opportunities. If you are interested in becoming a corporate sponsor, look at the sponsorship levels below and contact us at your convenience. We are now accepting new sponsor applications for 2020, don't wait!

### Sponsorship Levels and Benefits

<i>Sponsorship Level</i>	<i>Annual Sponsorship Amount</i>	<i>Benefits</i>
<b>Gold</b>	\$3,000	<ul style="list-style-type: none"><li>• Annual Corporate Membership*.</li><li>• 30 minute product or service presentation slot at one meeting.</li><li>• Table area for company literature at each event during the calendar year of sponsorship.</li><li>• Prominent display of company name and logo on welcoming displays and chapter website for the calendar year of sponsorship.</li><li>• Listing on Update Newsletter for current event.</li><li>• Listing on Web page announcements for current event.</li></ul>
<b>Silver</b>	\$1,500	<ul style="list-style-type: none"><li>• Annual Corporate Membership*.</li><li>• 15 minute product or service presentation slot at one meeting.</li><li>• Prominent display of company name and logo on welcoming displays and chapter website for the calendar year of sponsorship.</li><li>• Listing on Update Newsletter for current event.</li><li>• Listing on Web page announcements for current event.</li></ul>
<b>Bronze</b>	\$500	<ul style="list-style-type: none"><li>• Annual Corporate Membership*.</li><li>• Prominent display of company name and logo on welcoming displays and chapter website for the calendar year of sponsorship.</li><li>• Listing on Update Newsletter for current event.</li><li>• Listing on Web page announcements for current event.</li></ul>

\*Corporate Memberships allow an unlimited number of members from your company and are normally \$200 per year.

If you are interested in becoming a corporate sponsor, contact Jim Svoboda at AC Power Technology at:  
Email: [jim@acpower.com](mailto:jim@acpower.com) Phone: 425.885.7493

**Thank you to our 2020 Sponsors for their continued support!**

**Gold Sponsors**



Life Is On



**Silver Sponsors**



NC POWER SYSTEMS



**Membership**

Don't want to be a full corporate sponsor? Not to worry, we offer two different levels of membership to meet your needs.

- A Corporate Membership is available at \$200/year and allows your entire organization to be members.
- An Individual Membership is available at \$50/year.

Pick the membership that suits you and your company and thank you for your continued support!

To become a member, contact our Membership Chair:

**Michael Gile**

Energysys

T: 206-496-9948

[Michael.Gile@enersys.com](mailto:Michael.Gile@enersys.com)

**We Now Accept Credit Card Payments!**

The 7x24 Exchange Northwest Chapter can accept credit card payments for sponsorship or membership fees. To pay using your credit card, you can bring your card to one of our chapter meetings and pay in person, or call our Treasurer, Dmitry Kraskovsky at 253-520-5111.

**What's On Your Mind?**

We are always looking for input for topics to cover in our meetings to keep our membership abreast of all the latest ideas and issues in the data center industry. Have a burning question? An operational quandary? A design dilemma?

Let us know what kinds of topics you would like to see addressed in our next meetings. Drop a note to one of our Program Co-Chairs Jim Svoboda at [jim@7x24northwest.org](mailto:jim@7x24northwest.org) or Conan Lee at [conan@7x24northwest.org](mailto:conan@7x24northwest.org) and let us hear your thoughts and ideas.

# Chapter Contacts

## Officers and Committees

### **OFFICERS**

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### **COMMITTEE CHAIRS**

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