



## September 13, 2022 Chapter Meeting and Data Center Symposium

- If you have already registered for this event no further action is required -

Please join us on Tuesday September 13th at 3:30 pm for the next 7x24 Exchange Northwest Chapter Meeting and Data Center Symposium. This event marks our return to in person events and is free to attend. If you can't join us in person, this event will also be available live on Teams. Feel free to forward this invitation to any colleagues who may also be interested.

To register, reply to this email with your RSVP (please indicate In Person or Online), or visit our website.

<https://7x24northwest.org/>

**Date & Time:** Tuesday September 13, 2022  
**Locations:** Puget Sound Energy, and Online via Teams  
1<sup>st</sup> Floor Auditorium  
355 110<sup>th</sup> Avenue NE Bellevue, WA 98004

### - Meeting Agenda -

**3:30 pm** Open Networking

**4:00 pm** Welcoming Remarks, Announcements, **Teams Session Begins**

**4:10 pm** Integrated Healthcare Experience Platform  
*-Mike Sanders, Schneider Electric*

**4:40 pm** Battery Chemistry and UPS Topology Considerations for Network Edge and MDF Environments  
*-Billy Stapleton, Eaton*

**4:55 pm** Selecting the Right Load Bank Solution  
*-Jake Austin, Sunbelt Rentals*

**5:10 pm** Break, Networking  
*-Hot & Cold Appetizers, Hosted Bar, and people you haven't seen in two years*

**5:40 pm** Data Center Battery Recycling 101 (including Lithium) & The Energy Storage Sustainability Future  
*-Eric Hill, Cirba Solutions*

**6:15 pm** Lithium-Ion Battery Chemistry Considerations  
*-Jesus Penalver, Toshiba International Corporation*

**7:00 pm** Adjourn

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## - Presentations -

### **Integrated Healthcare Experience Platform**

*-Mike Sanders, Schneider Electric*

Schneider Electric's Integrated Healthcare platform demonstrates state-of-the-art technologies supporting smart patient care for hospitals, outpatient clinics, and long term care facilities of the future.

This demonstration shows how our solutions, software and controls facilitate the function between the data center, building and staff to deliver results on patient satisfaction, financial performance, safety and security, regulatory compliance and streamlining workflows to serve patients, clinicians and visitors.

### **About the Speaker**

Mike Sanders is the Solutions Discussion Leader for the Innovation Executive Briefing Center where he specializes in Schneider Electric's Data Center Solutions Including Infrastructure, Edge Computing, and segments like Healthcare.

Mike began his career with Schneider Electric in 2013 as a Product Manager in the Prefabricated Data Center line of business before joining the IEBC staff in 2018. Prior to Schneider Electric, Mike worked 20 years at Energizer in Technical and Marketing roles in battery and flashlight development, and implementing sales information systems. Before that, Mike spent several years in the IT industry in technical sales roles.

### **Battery Chemistry and UPS Topology Considerations for Network Edge and MDF Environments**

*-Billy Stapleton, Eaton*

"Edge computing" has become an IT buzz-phrase in reference to data produced by internet of things (IoT) devices that are processed closer to where end devices access the network. This reduces latency and creates faster connections compared to sending the data across long routes to data centers or clouds.

A reliable power infrastructure is essential to IoT devices functioning properly, but there are many threats at remote sites on the edge due to frequent power outages or low voltage levels caused by power anomalies, or environmental risks.

### **About the Speaker**

Billy has over 15 years of experience in the IT industry providing solutions to entities ranging from SMB to top Fortune 500 companies, with several years spent in the state and local government, K-12, and higher education space. Billy has worked as a consultant to numerous businesses to ensure full IT solutions are represented appropriately in their portfolios. Billy holds a Bachelors Degree from the University of New Mexico, and has been with Eaton Corporation for the past 5 years. He is currently the Partner Development Manager for the Pacific Northwest region in the Critical Power and Digital Infrastructure division

### **Selecting the Right Load Bank Solution**

*-Jake Austin, Sunbelt Rentals*

Sunbelt Rentals recently acquired ComRent Load Bank Solutions, merging the two respective legacy teams into a cohesive load bank division. We will provide an overview of the new dynamic of Sunbelt Rentals- Load Bank Solutions, the value & capabilities we offer our collective clients, and the future goals and planning associated with Data Center projects in the greater Pacific Northwest.

### **About the Speaker**

Jake Austin is a native Washingtonian having been born and raised in Wenatchee he now resides in the greater Puget Sound area. He has spent 15 years in the AEC industry, 11 of those devoted to power generation and load testing applications. He now heads up load bank solutions for Data Centers in the Western US for Sunbelt Rentals, and is excited to represent the load bank team here at the 7x24 Symposium.

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## September 13, 2022 Chapter Meeting and Data Center Symposium

### - Presentations Continued -

#### **Data Center Battery Recycling 101 (including Lithium) & The Energy Storage Sustainability Future**

*-Eric Hill, Cirba Solutions*

This presentation will cover the basics of lead-acid and lithium-ion recycling and give some insight into the future of this massively growing industry. We will discuss how batteries are recycled, best practices for datacenter battery sustainability, and a glimpse into the future of what energy storage recycling will look like and its effect on the datacenter industry as a whole.

#### **About the Speaker**

Eric Hill, Director of Business Development at Cirba Solutions, is an energy storage subject matter expert. Over the last 15 years, Eric has worked in various roles from startup companies to large organizations in different levels of product development, program management, vendor management, operational management, and business development throughout his career. He has experience working with lithium-ion, lead-acid, nickel-cadmium, nickel-metal-hydride chemistries from manufacturing, deployment, to circular sustainability. Eric has a B.S. in Finance from LSU-Shreveport and is Pragmatic Marketing Certified.

#### **Lithium-Ion Battery Chemistry Considerations**

*-Jesus Penalver, Toshiba International Corporation*

This presentation will introduce the audience to the different lithium ion chemistries available for the data center industry, their differences, similarities, and their major benefits over VRLA chemistry. The presenter will also introduce the audience to the main norms and codes that shall be met and that dictate how and where lithium ion chemistries are installed.

#### **About the Speaker**

Jesus Penalver has been working in the data center /power quality industry for over 25 years. He graduated from SDSU with a BSEE, and has educated professionals in emerging technologies of the industry throughout Latin America and the USA. Some of his previous roles he has held are: Technical trainer for UPS Systems, STSs, HVAC units; Senior Applications Engineer of large UPS systems, LATAM Sales Manager, Product Manager for UPSs 100kVA-2000kVA and for Lithium Ion ESSs.

Jesus is currently the Technical Specialist for Toshiba International Corporation, Power Electronics Division.

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## Next Chapter Meeting

**November 15, 2022**

### **New Educational Outreach and Scholarship Program**

The 7x24 Exchange Northwest Chapter is in the process of forming an Educational Outreach and Scholarship Program and we need your help! We are looking for industry leaders to help us develop a program to support students at the collegiate level pursue careers in the data center industry. The development of the next generation of data center professionals is critical in ensuring the continued success of the industry and supporting the role of data centers in modern society, business, and government.

If you have questions, are interested in taking part in the program, or if you would like to contribute financially please contact our Scholarship Committee Chair Lee Moss at CPSI: [leem@cpsiwa.com](mailto:leem@cpsiwa.com) or Bill Hunter at [bill@7x24northwest.org](mailto:bill@7x24northwest.org)

## Northwest Chapter Corporate Sponsors

Our corporate sponsors provide the chapter with the ability to bring our membership the finest in up to date and industry leading presentations and networking opportunities in a professional yet relaxed setting.

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Life Is On



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### Presentations Wanted

If you have an interest in presenting at one of our upcoming chapter meetings, or if you have a topic you would like to see presented 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)



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