

September, 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

2020 September Virtual Chapter Meeting and Presentations

September 16, 2020 12:00 pm – 1:00 pm PDT

Our first online webinar meeting in August was a great success! Thank you to our presenters and participants; you all made it worthwhile. So join us for our second event with even more great mission critical news, ideas and industry trends.

Data Center Symposium

Lithium Ion Battery Systems – 2018 and 2021 Fire Code Updates

7x24 Exchange International Special Presentation

Fast Start Natural Gas Generators

Sponsor Presentation

Lithium Ion Battery Systems 2018 and 2021 Fire Code Updates

Ben Seager, Chief Technology Officer, LDP Associates, Manufacturer's Representative for Schneider Electric

www.LDPassociates.com www.se.com

The International Fire Code 2018 and 2021 in conjunction with NFPA 855 – 2020 saw some rather meaningful updates with regards to how UPS and Energy Storage solutions should be deployed. Ben will guide attendees through a primer on the applicable code sections, corresponding UL listings and how these updates might impact your next project.

About the Speaker

LDP Associates represents the Secure Power Business Unit of Schneider Electric in 10 states and specializes in critical power and cooling applications. Ben serves as Chief Technology Officer & Director responsible for the Northwest Region of 5 states with teams in Salt Lake City, Seattle and Portland. Ben's project experience spans hundreds of successful server room and data center deployments including the first Lithium Ion UPS deployment for Schneider Electric in North America.

Special Presentation

7x24 Exchange International

Michael Siteman, *President, Prodigious Proclivities, Inc.* <https://coloconnexion.com>

Chapter Relations Director, 7x24 Exchange International www.7x24exchange.org

Michael joins us as the official Chapter Relations Director for the 7x24 Exchange International and will give us an overview of recent organization activities including:

- 7x24 Exchange International's Mission;
- How the International organization interacts with its Chapters;
- 7x24 Conference Schedule (Cancelations and 2021 Spring conference); and
- 7x24 Initiatives (Info Exchange & Webinar Series).

About the Speaker

Michael Siteman is an independent consultant, data center developer, and broker. With extensive experience in the commercial real estate industry as a tenant representative and developer, specializing in data center transactions and site selection, has yielded a deep understanding of commercial real estate leases, data center development, business brokerage, Cloud-services, colocation contracts and service level agreements. Michael's former employers include INAP, M-Theory Group, Digital Realty, Jones Lang LaSalle, Base Partners, and The Staubach Company.

Michael also co-founded the Southern California Chapter of 7x24 Exchange International currently serves as Chapter Relations Director of for 7x24 Exchange International.

He is also a licensed Helicopter Pilot, Certified Neuro-Linguistic Programmer and an accomplished musician.

Industry Presentation

Fast Start Natural Gas Generators

***David Micheltree, Ph. D, Data Center Natural Gas Generation – Global Sales and Business Development
Innio/Jenbacher (formerly GE Distributed Power)***

Successful hyper scale DC commissioning of natural gas generation (late 2019) has sparked interest in this backup solution. Savvy data center operators are monetizing this behind the meter energy insurance policy. On-site NG generation provides them a bargaining chip to participate in energy and capacity markets. Benefits include providing dispatchable generation for balancing services to grids accommodating increased intermittent renewable generation. Monetizing the NG generation has the potential to offset engine costs within a timeframe analogous to current renewable PPAs.

Data center NG generators have an advantage over diesel generators in that they have lower emissions, and higher reliability by avoiding the risks of limited run times and refueling. Fast start NG generation reduces capex spend for UPS/batteries, the data center's more expensive short-term energy insurance policy. Back up NG generators in North America are not limited for economic run hours, opening the opportunity to monetize these assets. Where diesel generators represent 100's of millions of dollars in stranded assets for hyperscale data centers.

About the Speaker

David Mitcheltree brings more than 15 years of data center and industrial energy experience with companies such as Microsoft, Cummins, Apple and various utilities (natural gas & electric/natural gas) to his current role, Data Center Natural Gas Generation - Global Sales & Business Development, with INNIO/Jenbacher (formerly GE Distributed Power). David is based in Sammamish, Washington, USA.

RSVP Today!

Send your RSVP to Jim Svoboda at AC Power: 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. Upcoming dates for our next meetings will be:

- October 14, 2020
- November 18, 2020
- December 9, 2020

All of these webinars will be from 12:00 pm to 1:00 Pacific time, so mark your calendars now to make sure you don't miss all these events!

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

Chapter News

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

*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 Phone: 425.885.7493

Thank you to our 2020 Sponsors for their continued support!

Gold Sponsors



Silver Sponsors



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@energysys.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.

Announcing our new Chapter Website!

We have just launched a new Chapter Website: www.7x24northwest.org
You can find all the latest news, event information and contacts for our Chapter here. You can also register for this Fall Chapter Meeting, so don't delay.

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 or Conan Lee at conan@7x24northwest.org and let us hear your thoughts and ideas.

Chapter Contacts

Officers and Committees

OFFICERS

President

Doug Bors, PE
Sophometrics
206-963-3077
dbors@sophometrics.com
doug@7x24northwest.org

Vice President

Bill Hunter
TBHE Consulting, LLC
360-453-7697
bill@tbheconsulting.com
bill@7x24northwest.org

Treasurer

Dmitry Kraskovsky
MTU Onsite Energy / Pacific Power Products
253-350-5170
dkraskovsky@pac-power.com
dmitry@7x24northwest.org

Secretary

Leonard Ruff, AIA
Cascade Mission Critical, LLC
206-294-1288
leonard.ruff@casademissioncritical.com
leonard@7x24northwest.org

COMMITTEE CHAIRS

Program Co-Chair

Conan Lee
Jones Lang LaSalle
206-607-1723
conan.lee@am.jll.com
conan@7x24northwest.org

Program Co-Chair

Jim Svoboda
AC POWER
206-300-9467
jim@acpower.com
jim@7x24northwest.org

Membership

Michael Gile
EnerSys
206-496-9948
michael.gile@enersys.com
mike@7x24northwest.org

Newsletter & Web Content

Leonard Ruff, AIA
Cascade Mission Critical, LLC
206-294-1288
leonard.ruff@casademissioncritical.com
leonard@7x24northwest.org

Website & Sponsorship

Jim Svoboda
AC POWER
206-300-9467
jim@acpower.com
jim@7x24northwest.org

If you would like to get involved in Chapter activities, just let one of the board members know, we are always looking for more member participation in planning Chapter sessions and communications.