

April 5, 2021



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

2021 Spring Symposium and Chapter Meeting - May 11, 2021

Agenda

Silicon Carbide is Changing Power Conductors, Cyber Defense in Depth, Power Generation for Data Centers, Infrastructure for Disconnected Edge Scenarios

Date & Time:

Tuesday, May 11 3:30 pm – 5:30 pm

Location:

Virtual Meeting via Microsoft Teams

Links to the Virtual Meeting will be sent out to attendees prior to the meeting after you register to attend. Register now at: <https://7x24northwest.org/events>

Agenda:

3:30 pm

Welcoming Remarks, Announcements

3:40 pm

How Silicon Carbide is Changing Power Conductor Technology

*Anthony Pinkey, National Accounts Manager
Mitsubishi Electrical Power Products*

4:25 pm

Cyber Defense in Depth

*Jim Martin, Global Connectivity Product Manager
Eaton*

4:40 pm

Power Generation for Data Centers

*Chris Barton, General Sales Manager, NC Power Systems
Chris Blazeovich, Area Sales Manager, NC Power Systems
Rick Walkup, Western Region Data Center Manager, Caterpillar, Inc.*

4:55 pm

Infrastructure for Disconnected Edge Scenarios

*Chris Perez, Principal Project Manager for Azure Global
Microsoft*

5:30 pm

Adjourn

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>

Symposium

How Silicon Carbide is Changing Power Conductor Technology

Anthony Pinkey, National Accounts Manager

Mitsubishi Electric Power Products, Inc.

Silicon-Carbide (SiC) is replacing Silicon (Si) as the conductor of electricity in power conversion modules used by many different industries. This presentation will describe the semiconductor conduction process which will help to explain the benefits of Silicon Carbide to Uninterruptible Power Supplies (UPS).

About the Speaker

Anthony Pinkey is the National Accounts Manager for Mitsubishi Electric Power Products. Born, raised and educated in New York City, Anthony has held various sales management, product management and marketing positions in the power quality industry for the past 30 years. He joined Mitsubishi Electric in February of 2016 and holds a Bachelor's degree in Electrical and Electronics Engineering in the Nuclear Science Sequence from Manhattan College. He has written numerous articles for trade publications and frequently speaks at IEEE meetings.

Cyber Defense in Depth

Jim Martin, Global Connectivity Product Manager

Eaton

When it comes to cybersecurity, safeguarding power equipment may not always rank top of mind. Yet with hackers relentlessly exploiting new devices in innovative ways, coupled with more employees working remotely than ever before, vulnerabilities are emerging that you may not have previously considered. Because infrastructure equipment is smarter and more interconnected than ever before, deploying an end-to-end cyber defense solution has become absolutely essential.

Eaton uniquely understands the severity of threats faced by today's organizations and how to best protect yourself from cybersecurity attacks. We've developed an entire portfolio of products with ingrained measures to prevent intrusion and mitigate risks. While there are different ways to address both cyber and physical security in power equipment, our solutions work in harmony to provide resilient, layered protection that help keep your operations and personnel safe.

About the Speaker

James Martin is the Global Connectivity Product Manager at Eaton. Jim can guide you through software demonstrations, proof-of-concepts, and power management pilots. He has promoted Eaton's software and connectivity solutions for the past 9 years and built trusted technical advisor relationships with channel partners, field sales and sales operations.

Power Generation for Data Centers

Chris Barton, General Sales Manager, NC Power Systems

Chris Blazeovich, Area Sales Manager, NC Power Systems

Rick Walkup, Western Region Data Center Manager, Caterpillar, Inc.

This presentation will provide an update on the NC Power Systems organization and alignment to deliver on data center power generation projects. Included will be a highlight of new products, emission profiles, and the positive impact on total cost. The talk will also introduce hydrogen fuel generator solutions and their future application.

About the Speakers

Chris Barton

Chris serves as the General Sales Manager at NC Power Systems. He has over 15 years of power generation experience in North America having worked for Caterpillar, Cummins, and most recently NC Power Systems. Chris has an undergraduate degree in engineering and post-graduate degree in business.

Chris Blazeovich

Chris is the Area Sales Manager at NC Power Systems and has over 20 years of power generation and diesel engine experience in Washington having worked in both the marine and electric power industries. Over his career, Chris has held roles in engineering, sales, and management. Chris has an undergraduate degree in engineering.

Rick Walkup

Rick is the Caterpillar Western Region Data Center Manager. Rick has 20 years of experience with Caterpillar with both heavy equipment and power generation products, supporting NC Power Systems and Washington data center customers for the last 4 years. Over his career with Caterpillar, Rick has held roles as a factory engineer, field-follow engineer, territory manager, and most recently data center account manager. Rick holds an undergraduate degree in engineering.

Infrastructure for Disconnected Edge Scenarios

Chris Perez, Principal Project Manager for Azure Global

Microsoft

Around the world, there are significant cloud computing and storage needs in areas with adverse conditions, where low communication, disrupted network availability and limited access to specialized infrastructure would have previously prevented taking advantage of cloud computing. The MDC concept solves this by bringing Azure to these environments, providing datacenter scale compute resources closest to where they're needed.

About the Speaker

Christopher Perez is a Principal Program Manager for Azure Global at Microsoft and previously a Senior Advisor with Puget Sound Energy. He provides insight and consulting to all aspects of Data Center construction, migration, and management. Leveraging background in DCIM, telecommunications, electrical and other disciplines he currently provides that expertise on behalf of Microsoft Azure Global.

Chapter News

Scholarship Program

In our Winter Meeting, we established a Scholarship Committee that will be charged with developing our Chapter's Scholarship Program. Thanks to the inaugural members of this Committee:

Dan Guglielmo, Hermanson Company; **Kerry Nicolaus**, Energy Systems; **Lee Moss**, Critical Power Services, Inc.

The committee will be meeting soon, if you are interested in taking part in the program, contact **Jim Svoboda at AC Power**: jim@acpower.com Phone: 425.885.7493

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.

<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.

		<ul style="list-style-type: none"> • 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.

For more information or to sign up for a sponsorship, contact Jim Svoboda at AC Power Technology at:

Email: jim@acpower.com Phone: 425.885.7493

Thank you to our 2021 Sponsors for their continued support!

Gold Sponsors



Silver Sponsors



RSVP

Don't forget to RSVP today! Space is limited. Please respond by Friday, April 30th.

Contact Jim Svoboda at AC Power Technology at: Email: jim@acpower.com Phone: 425.885.7493

Or RSVP at our website: <https://7x24northwest.org/events>

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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.