

AUTOMATION EXPRESS 2021

September 9, 2021 • The Ingleside Hotel



Join us for Standard Electric's AutomationExpress trade show, featuring the latest electrical and automation products and solutions for the OEM and MRO marketplace.

Why You Should Attend:

- Over 50 Exhibitors
- 21 Technical Sessions
- Earn PDH credits
- Networking Opportunities
- Innovative Products
- Latest Technologies



Register NOW!

Scan this code or go to <http://bit.ly/AE2021Registration>

DETAILS:

WHERE:

The Ingleside Hotel
2810 Golf Road
Pewaukee, WI 53072

WHEN:

Thursday, September 9, 2021

TIME:

Doors Open at 8:00am



REGISTER NOW!

SCHEDULE OF EVENTS:

8:00 AM:

Continental Breakfast

8:30 AM:

Morning Class Rotation Begins

11:30 AM - 1:30 PM:

Served Buffet Lunch

1:30 PM:

Afternoon Class Rotation Begins

4:30 PM - 6:30 PM:

Reception



TECHNICAL SESSIONS:



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Improving Food Safety through Electrical Design

Join a discussion on the impact of food safety and implement skill sets designed to improve it. You will learn how to design and specify the proper solutions to eliminate contamination and food product recalls, reduce corrosion and improve food safety.

Proper Terminal and Lug Installation

Discussion and demonstration on the proper techniques of crimping insulated and non-insulated terminals and compression lugs, which will result in a strong and low resistance connection.

NEC 500-516 Hazardous Location Code Highlights

Gain a better understanding of how explosion proof products are selected and installed through the review of the layout of NEC 500-516 (installation methods, code highlights and code expectations.

How to Protect Personnel from Electrical Shock

An in depth look at how common types of electrical shock occur and the safety regulations that drive the methods of preventing shock and protecting your personnel.

Best Practices for VFD Cable Grounding and Shield Termination

Recognize and avoid common cable installation mistakes with an overview of the most common questions surrounding VFD cable grounding and shield termination. Learn proper methods on how to handle, prepare and terminate cable shields and mitigate noise via proper binding and grounding.

Hygienic Design Solutions

Gain an understanding of hygienic design and what it means in the electrical enclosure industry. Learn which specific codes and certifications apply to the standards.

Innovative Solutions for Electrical Motor Load Management

New electronic and IIoT technology now allow users to see and predict future motor problems. Walk the journey of an industrial user who has implemented this technology and discovered its benefits.

Getting an "Edge" with Data from the Factory Floor

Edge analytics can improve product quality with anomaly detection, reduce downtime with predictive maintenance, and gain helpful performance insights, all at the machine level securely and instantly. Explore key components needed for success and how they align with existing technologies.

Motor Switching and Protection as Best Practice

Learn how to select the best switching and protection solution for panel builder or end user applications according to the NEC standards. This includes the four main functions of every motor branch circuit; local disconnect, short circuit protection, overload protection and control.

The Power of Open Source in IIoT

Design, program, and deploy automation logic and visualizations using latest open source software examples in Python, Node Red and Docker.

VFDs & Power Quality: Protecting your Assets

Explore the types of power quality problems associated with VFDs, the impact they have on your facility, and how to mitigate unwanted harmonics to protect your uptime, profits, and equipment.

Harnessing Data Securely with IIoT Solutions

Learn how to securely enable IIoT connectivity using the IEC 62443/ISO 27001 cyber security standards and receive hands on detail to secure your IIoT solution within your facility and OEM products.

Using Automation to Enable Industry 4.0 Operations

Industry 4.0 roadblocks are cost, security, complexity, interoperability and a lack of flexibility. Learn how automation has developed to enable business models while future proofing, and providing relevancy and resiliency.

LiDAR Technology and Applications

Receive an overview of the 1-D and 2-D/3-D sensors, applications, and future products. Gain insight into LiDAR technology and applications it can solve using 360-degree rotation laser and fixed multiple LED's.

Industry 4.0 and IO-Link Solutions

Explore IO-Link sensor solutions, with an in-depth focus on IO Link Master Modules that have the flexibility to work with PLC's, HMI, SCADA, and Cloud systems. Learn how IO-Link can be utilized along with innovative control/monitoring system concepts.

Trends in Industrial Cybersecurity: Grounding Buzz

Explore buzzword topics like ransomware, supply chain security, and cybersecurity regulation and link them to concrete initiatives and product features that are rolling out across the entire industrial automation ecosystem.

Protect Yourself and Your Company from Being Ransomed

Learn how to identify a ransomware attack and implement sound cybersecurity practices that can help you protect your organization and recover from a ransomware attack.

Where are my Assets and Employees?

Manage your people and equipment for maximum efficiency. Discover a solution that allows you to mitigate risk, avoid unnecessary loss of production, reduce time-consuming search procedures/manual work steps and avoid potential sources of error.

New Culture in Industrial IIoT

We will explore the methodology of IIoT's use of digital technologies to meet corporate objectives, especially when that objective is quantifying energy savings, reliability, inventory management or better communication between plants. Discover the possibilities and what we can expect to see in the future of IIoT.

Leveraging SCCR to Grow Your Business

Take a proactive approach to Short Circuit Current Rating (SCCR). Learn how to provide a valuable service to your customers while also streamlining your business processes.

Arc Flash Mitigation with Switch Rated Plugs and Receptacles

Review code compliance to NFPA 70E/NEC/OSHA standards with switch rated plugs and receptacles.

*** For more detailed information on our technical session offerings please visit:
bit.ly/AE2021Registration**

Top 10 Reasons to Attend



1. Discover new products and technologies.
2. Develop new skills at one of our 21 technical sessions all throughout the day.
3. Network with others in your industry to share ideas and best practices.
4. Consult with Standard Electric's Technical Solutions Team to answer all of your tough questions.
5. Learn about solutions and services that can save you money, time and labor.
6. Discuss best practices and applications that make your company more efficient.
7. Meet with Standard Electric's sales and technical leadership team.
8. Win! Participate in the show raffle and attend the reception to win prizes galore!
9. Eat, drink and be merry! Be Standard Electric's guest and enjoy breakfast, lunch, and an amazing Cocktail reception on us.
10. It's FREE! Attend our show at NO COST to you.



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MANUFACTURER EXHIBITORS

