



Automation Express 2023

**MAKE THE
BEST BET**



**Make the best bet at
Automation Express 2023!**



You are cordially invited to attend Automation Express 2023!

Automation Express 2023 is YOUR opportunity to gain valuable insights into the latest industry trends in AUTOMATION, MANUFACTURING and SAFETY. Educational sessions led by technology experts and thought leaders provide you with a chance to learn the most recent advancements in industrial technology and digital transformation strategies. Whether you are looking to gain practical knowledge or network with other manufacturing, engineering and production professionals, Automation Express is the event you don't want to miss!

Time & Location

Wednesday
September 20, 2023
7:30 AM - 7:00 PM

POTAWATOMI HOTEL & CASINO
1721 W Canal Street
Milwaukee, WI 53233

Schedule

Breakfast/Show Floor Opens
7:30 am - 9:30 am

Morning Technical Sessions
8:00 am - 11:30 am

Lunch and Keynote Panel Discussion
11:30 am - 1:30 pm

Afternoon Technical Sessions
1:30 pm - 4:00 pm

Reception
5:00 pm - 7:00 pm

Show Closes

Scan the QR code to sign up or **CLICK HERE**

<https://standardelectricsupplyco.regfox.com/automation-express-2023>



Technical Sessions

Grounding and Bonding Procedures in Accordance with the National Electrical Code (NEC) and the Institute of Electrical and Electronics Engineers (IEEE)

This training course covers the science, applications and techniques for installing and maintaining electrically sound connections. This course will also cover grounding and bonding according to the National Electrical Code (NEC) and the Institute of Electrical and Electronics Engineers (IEEE). Some of the questions that we will answer are: Why do we ground electrical systems? How do we make the proper connections in accordance with the NEC? What are the 2014 NEC Article 250 updates. Anyone who wants to enhance their existing electrical knowledge and upgrade their skills should attend this session.

2HR

IO-Link Technology for IoT and Condition Monitoring Applications

Ever considered how IO-Link could be explained as a technology? Don't think any longer. This session will cover some fundamental features along with a demo of an IO-Link System. We will review fundamental features (wiring, operation, requirements, and options). We will also provide a demo of an IO-Link System including: I/O Block types and options, sensors types and options, and the types of cables used. Join us for this hands on session. Join us and see how a new perspective could be beneficial for you as an End-User, OEM, Integrator, Electrical/Controls/Process Engineer, Maintenance person.

1HR

Risk Reduction with Machine Safety

Engineering managers, application engineers, mechanical engineers/designers, maintenance, and EHS managers: this session is for you. Come learn how to better understand performance levels, the Risk assessment process, and expand your knowledge on the Hazard Control Hierarchy. This session will help you grow in your knowledge of reducing risk efficiently.

1HR

Industrial Internet of Things 101

Everyone talks about it but do you really know what IIoT is? This class is perfect for those looking to build a foundational understanding and how it impacts your company. The last 200 years has brought us more innovation than in any other period throughout human history. Most recently, at the heart of this movement is the Industrial Internet of Things (IIoT) which connects machines, people, and information in ways like never before.

1HR

How to Succeed at IIoT and Realize Measurable ROI-The Process of Translating Machine Data into Profitable Insights

This session will show how machine data can be translated into human readable information and how machine service models have evolved. Additionally, you will learn how data can drive effective use of these models, and how to scale up a successful IIoT project and avoid scope creep. If you are a Service Manager, Controls Engineer, Engineering Manager, IT Manager, or Operations Manager this is the class for you!

1HR

Technical Sessions

Next Generation Automation Platform

Have you thought about what the automation on your factory floor will look like in 10 years? Does the technology look the same as today? Are you prepared for the next generation of controls, where everything is connected and “Smart”? Can you easily get the data you need from instrument to insight, in real time, with low effort? Are your current control systems capable of handling the future and being components in a true “Smart Factory”? You will walk away understanding the IEC 64199 standard and its support by UniversalAutomation.Org.

1HR



Shock Preventions in Industrial Applications

Are you a plant safety engineer, maintenance engineer, electrician, or electrical inspector? This session might be perfect for you. This training will provide an overview of electrical shock hazards in industrial applications, and how ground-fault circuit interrupters help prevent them. We will cover the 2023 National Electrical Code updates for shock protection, and how using industrial GFCI products provide code compliance and reliable safety.

1HR



Code Review for Hazardous Locations

Design Engineers, Plant Safety Personnel, licensed Master/Journeyman electricians, Inspectors, do you need to brush up your hazardous location knowledge? This Code Review has an in-depth overview of NEC Articles 500-516 Installation Methods, maintenance and electrical equipment permitted for use in Hazardous Areas. Come find out what codes you might have forgotten.

1HR

Machine Monitoring - Improve Production with Data

Whether you are in operations, logistics, or an engineer, this session is for you! This seminar will first discuss the financial importance of collecting operational data from your automation platform to improve production and reduce downtime. We will show attendees different solutions available to collect key performance and diagnostic data such as current, voltage, power, power factor, runtime, cycle count and other analog signals.

1HR



Technical Sessions

Best Practices for VFD Cable Grounding and Shield Termination

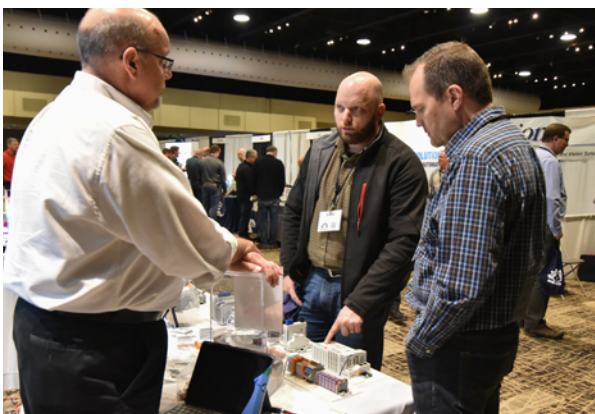
Ever designed or installed a VFD system? This session will help you recognize and avoid common cable installation mistakes with an overview of the most common questions surrounding VFD cable grounding and shield termination. Learn proper methods on how to handle, prepare and terminate cable shields and mitigate noise via proper bonding and grounding.

1HR

Wiring Concepts - and how does IO-link fit in?

Calling all programmers, electrical designers, controls engineers, directors of engineering, or mechanical engineers or anyone with curiosity about IO Link and Wiring. Learn about wiring concepts and best practices. Find out how IO-Link is a complementary tools and technology. We will discuss how to speed up machine commissioning, reduce downtime via better diagnostic information and minimize wiring efforts. Together we will establish and review the benefits of using each concept when it comes to maximizing your production efficiency.

1HR



Power Distribution Techniques for UL508A

This class will explore different methods to streamline panel design to reduce engineering, wiring, and panel space while creating a more flexible solution which can easily accommodate late engineering changes and field implementation, Engineers and technicians; this is the perfect session for you!

1HR



Panel: Emerging Opportunities in Electrification: How will you adapt to this unprecedented market opportunity?

Join NAED's Sr Vice President of Government Affairs - Ed Orlet as he moderates a panel of experts examining the emerging opportunities in electrification. By some estimates, our industry will see an additional \$50 billion in investments by 2040 from electrification alone. While Electric Vehicle Supply Infrastructure will be a primary driver of this investment, the work our customers will need to do to capitalize on electrification goes far beyond EVs. Listen as leading suppliers and industry officials discuss innovative products and solutions to address this unprecedented market opportunity. How are manufacturers capturing mind share in the EV market and what are ways OEMs can participate and share in the federal government's plans to invest over \$350 billion in clean energy programs over the next decade.

1HR



Manufacturer Exhibitors



5 Reasons YOU Should Attend Automation Express 2023!

1. Meet with industry experts and see the latest in automation, safety, and plant maintenance.
2. Networking! Meet with others in your industry to share ideas and best practices.
3. Standard Electric's team of Engineers and Application Specialists will be on hand throughout the day to answer any and all of your tough questions.
4. Discover the latest and greatest products and trends in your industry.
5. It's FREE! Attend our show at NO COST to you.

Don't take our word for it! This is what previous attendees had to say:

"For me, everything was great! From the hospitality to the people to the venue, everything was excellent!"

"Thank you for a great day. The show was well done and informative. I truly appreciate the smaller trade shows, larger ones are just too much to cover in a day."

"Good show. Very interactive vendors. Lots to see and do. Great location. Excellent food and drink."

"It is a fun networking and educational event."

"I would recommend co-workers attend Standard Electric's Automation Express in the future."

"I can see a great amount of effort was put forth to pull together this trade show, and it showed. Well done."

 800-776-8222

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ILLINOIS
INDIANA

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