



OKTOBERFEST

TAP INTO TECHNOLOGY™

EVENT DETAILS & COURSE DESCRIPTIONS

The Premier Siemens Event in Wisconsin

SEPTEMBER 29, 2022
WEST BEND, WI



WWW.PCCWEB.COM/OKTOBERFEST-2022

Event Overview

OKTOBERFEST DAY AT A GLANCE:

- Doors open at 8am
- Breakfast served 8am - 10:30am
- Seminars begin at 8:30am
- Lunch served 11:30am - 1:30pm
- 40+ exhibitors automation fair open all day
- Oktoberfest reception begins at 4pm



Course Offerings & Schedule

Seminars

Programming Best Practice – Siemens Open Library | S1

Presented by: DMC

TIME: 11:00 AM - 11:50 AM ROOM: NUREMBERG

The Siemens Open Library provides a collection of PLC device blocks, HMI content, and helpful tools to streamline the programming of process automation applications. Join DMC in exploring the latest release of the library, which now includes support for WinCC Unified, the latest Siemens HMI Platform.

Intro to WinCC Unified System, the next generation Siemens HMI hardware and software in TIA Portal | S2

Presented by: PCC

TIME: 11:00 AM - 11:50 AM ROOM: DUSSELDORF

Learn what makes the WinCC Unified System along with new Unified Comfort Panels ready for today and future HMI application requirements.

Programming with Structured Control Language (SCL) in TIA Portal with S7-1200/1500 | S3

Presented by: PCC

TIME: 10:00 AM - 10:50 AM ROOM: DUSSELDORF

Learn about programming with SCL and how you can mix with typical ladder logic. The SCL language is very powerful and well suited for complex math operations, data handling with arrays and string processing. SCL is a high-level text based language that is easy to understand, yet provides many benefits over traditional ladder programming. This seminar will provide the foundation for you to start programming in SCL.

Intro to using JavaScript scripting language in new WinCC Unified HMI | S4

Presented by: PCC

TIME: 9:00 AM - 9:50 AM ROOM: DUSSELDORF

Learn the basics of programming in JavaScript, integrated debugging functionality and utilizing Predefined Code Snippets in the WinCC Unified System in TIA Portal.

Performance Monitoring for S7-1200/1500 CPU's | S5

Presented by: PCC

TIME: 1:00 PM - 1:50 PM ROOM: DUSSELDORF

Learn about using integrated PLC Web Server to understand current program and communication loads and predicting future loads. See how various instructions such as RUNTIME and RT_INFO can be used in program to monitor Runtime performance and statistics of logic and communication.

Migration to TIA Portal | S6

Presented by: PCC

TIME: 2:00 PM - 2:50 PM ROOM: DUSSELDORF

Learn about the process of migrating prior generation PLC's/HMI's into the latest hardware and software in TIA Portal. Introduction to the useful tools and resources that are available to help with migration.

What's new in Automation - TIA Portal V18, Simatic Controllers and the WinCC Unified HMIs | S7 & S12

Presented by: Siemens

TIME: 8:30 AM - 9:20 AM AND 3:30 PM - 4:20 PM ROOM: BERLIN

Join us to get the first insights for the upcoming release of the engineering software plus options, controllers, and the HMIs portfolio. Enhancements for libraries, project server multiuser, and simulation, higher performance more memory and 1 new controller, and the WinCC Unified comes with Runtime Enhancements including System and Process Diagnostic views plus lots of other features to take you automation and visualization systems to the next level.

Industrial Networks: Present and Future | S8 & S11

Presented by: PI North America & the Profi-Interface Center

TIME: 9:30 AM - 10:20 AM AND 2:30 PM - 3:20 PM ROOM: BERLIN

It's an exciting time to be involved in industrial automation. New solutions are taking shape and stand to make automation networks easier to manage, faster to run, and most importantly, provide value like never before. Concepts like the 'Industrial Internet of Things', 'Big Data', and 'IT/OT Convergence' have been making headlines for a while. Now, the race is on for companies to leverage each in order to gain a sustainable competitive advantage. But how? There's no silver bullet, but industrial networks play a key role in turning these concepts into reality. Learn how new technologies are being developed and implemented within the PROFINET world.

In addition, existing documentation will be highlighted that will give you valuable guidance and best-practice advice on all aspects of your PROFINET project - from planning, to installation, to commissioning - helping you to avoid common mistakes and enable you to have the best PROFINET installation possible.

IIoT: Terrible Business, Powerful Tool for Businesses | S9

Presented by: Scante.net

TIME: 10:00 AM - 10:50 AM ROOM: NUREMBERG

Many Machine Builders have investigated IIoT or funded projects over the years — only rarely developing momentum. Selling connectivity, monitoring and data may have worked in some niche markets, but not for most OEMs. With a different approach, companies are using IoT technologies to reach customers, automate business processes, and strengthen business units. In this talk we discuss some of IIoT's problems, and present new case studies from Wisconsin and nationally with growing scale. model was created for the same wind/unwind application. unwind application including an overview of the hardware used. That will be followed by an introduction to the Siemens SIMIT simulation software platform and its intended use. We will then demonstrate how the SIMIT model was created for the same wind/unwind application.

Tools for converting applications & simulation of wind/unwind application | S10

Presented by: Siemens

TIME: 10:30 AM - 11:20 AM ROOM: BERLIN

Overview of the Siemens Converting Toolbox library and how it was used to create the program for a wind/unwind application including an overview of the hardware used. That will be followed by an introduction to the Siemens SIMIT simulation software platform and its intended use. We will then demonstrate how the SIMIT model was created for the same wind/unwind application.

Commission and troubleshoot drives from your mobile device! | S13

Presented by: Siemens

TIME: 1:00 PM - 1:50 PM ROOM: COLOGNE

The Sinamics Smart Access Module allows you to commission, monitor and control a SINAMICS V20, G120C, G120 or G120X drive using your wireless mobile device via Wi-Fi! With no Apps to download, all the intelligence is found in the Smart Access Module by operating like a webserver where any web browser will be your interface into the drive settings. Experience this technology yourself using your mobile phone with the SINAMICS G120 general purpose drive. We will review what it takes to commission a drive, operate the drive for checking rotation and tuning, monitoring performance and how you can archive the parameter set for back up!

How can a Distributed Control System Improve your Plant? | S14

Presented by: Siemens

TIME: 1:30 PM - 2:20 PM ROOM: FRANKFURT

Siemens will discuss how the Distributed Control System, SIMATIC PCS 7, can alleviate common challenges found in process plants today. We will walk through how a DCS is utilized to maintain assets longer, reduce engineering hours and complexity, improve alarm analysis and responses, empower operators, and more! We will focus on benefits to plant operations including increasing productivity and decreasing unexpected downtime. Join us to learn more!

Best Practices and Success Stories with Distributed Control Systems | S15

Presented by: Trident

TIME: 10:30 AM - 11:20 AM ROOM: FRANKFURT

Trident, a trusted Siemens solution partner, will show best practices for plant commissioning, operator training, cybersecurity, alarm management, and more. They will use real end user success stories to show how the DCS improved their processes through optimized production and how you can apply these same tactics to realize results. Join us to hear about real life end user accomplishments and learn more about DCS!

Determining SCCR - Your path to applying the standards and method of calculation | S16

Presented by: Siemens

TIME: 1:30 PM - 2:20 PM ROOM: BERLIN

Learn the basics of SCCR design for US Industrial Control Panels. This seminar introduces the requirements according to US electrical standards and then the step-by-step process to determine the SCCR of a control panel. Attendees will then be shown several sample applications and the impact of the SCCR rating based on components selected through 4 hands-on exercises where they will use provided documentation to determine the SCCR rating for each design.

Programming Best Practice - IO Link implementation using TIA Portal | S17

Presented by: Siemens

TIME: 8:30 AM - 9:20 AM ROOM: FRANKFURT

IO Link has proven to be a very effective method to reduce wiring in control applications – more than sensors (motor control, load monitoring, RFID, pilot devices!). In this live demo, we will introduce how easy it is to develop the hardware configuration of IO-Link devices to a Siemens IO-Link master in TIA Portal and take it a step further by showing how quick the associated I/O tag data for those devices can also be generated. As an added bonus, we will also show how a Siemens monitoring relay can be integrated into a Rockwell PLC.

Simplify Controls Design and BOM Creation | S18

Presented by: Siemens

TIME: 2:30 PM - 3:20 PM ROOM: FRANKFURT

In this seminar we will explore and demonstrate the features and capabilities of TIA Selection tool with emphasis on utilizing the Control Panel design features. The tool allows for motor control configuration and cable dimensioning for UL based applications. Following the presentation portion, participants will have the opportunity to use the tools and develop and application of their own.

What's New in Controls | S19

Presented by: Siemens

TIME: 9:30 AM - 10:20 AM ROOM: FRANKFURT

Are you being asked to do more with less? CP&C offers more for less; more value and more choices to meet OEM's, Panel Builders, and End Users changing needs. CP&C recognizes meeting NEC/UL requirements is only the first checkbox for our customers. Reducing panel space, engineering, wiring, installation and maintenance time, and providing communication feedback separates us from our competition. This seminar will showcase our existing portfolio, introduce several new solutions and our strategy to help you achieve your needs.

The fastest and easiest way to achieve compliance with OSHA, ANSI and other safety standards for perimeter guarding | S20

Presented by: Velox by Husky Rack and Wire

TIME: 2:00 PM - 2:50 PM ROOM: NUREMBERG

Velox machine guarding systems create a safe work environment by protecting both workers and your equipment. Versatile and affordable, Velox is designed to exceed regulatory safety standards and installs four times faster than other guarding systems. See how OEM & Integrators have designed guarding applications that meet OSHA/ANSI requirements and stay competitive in the market place.

Discover a Unique Way to Connect Your Machine to the Cloud | S21

Presented by: Westendorf & Associates/Weintek

TIME: 1:00 PM - 1:50 PM ROOM: NUREMBERG

There's a lot of talk about IIOT in the marketplace, but for the average OEM machine builder it is cost prohibitive to implement. Introducing the All-in-One device that can send data to the cloud and/or function as a protocol converter, HMI display and logic controller. Now you can provide secure cloud connectivity and a whole lot more at a fraction of the cost!

Programming Best Practice - Team Engineering using TIA Project Server | S22

Presented by: Siemens

TIME: 3:00 PM - 3:50 PM ROOM: DUSSELDORF

Learn how to effectively use TIA Project Server to engineer, commission and debug your automation project. This class will take you through the process of setting up the server and connecting across PCs along with other best practices for implementation.

Workshops

Machine Mount Drives for Material Handling | W1

Presented by: Siemens

TIME: 9:00 AM - 10:50 AM ROOM: COLOGNE

The Sinamics G115D distributed drive is your path to reducing cabinet size and simplifying your system architecture. In this workshop, following a short tutorial on roller conveyor applications, you will learn to model the mechanical load, select components and commission the drive using TIA Selection Tool and TIA Portal.

FREE
SEMINARS &
WORKSHOPS

Create Your Own Schedule

Use this worksheet as a tool to map out your day of free trainings at Oktoberfest! Seminars are 50-minutes in length, hands-on workshops are 110-minutes. New this year, you are not required to register for seminars and can attend any sessions that works within your schedule. Workshops require prior registration, as capacity is limited.

M O R N I N G

SESSION 1
Attend one session
in this row.

S4
Intro to using JavaScript
scripting language in new
WinCC Unified HMI
9:00 AM - 9:50 AM
DUSSELDORF

S7
What's new in Automation
8:30 AM - 9:20 AM
BERLIN

S17
Programming Best Practice
- IO Link Implementation
using TIA Portal
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W1
Machine Mount Drives for
Material Handling
9:00 AM - 10:50 AM
COLONGNE

SESSION 2
Attend one session
in this row.

S3
Programming with
Structured Control Language
(SCL) in TIA Portal...
10:00 AM - 10:50 AM
DUSSELDORF

S8
Industrial Networks: Present
and Future
9:30 AM - 10:20 AM
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S9
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Powerful Tool for Businesses
10:00 AM - 10:50 AM
NUREMBERG

S19
What's New in Controls
9:30 AM - 10:20 AM
FRANKFURT

S15
Best Practices and Success
Stories with Distributed
Control Systems
10:30 AM - 11:20 AM
FRANKFURT

SESSION 3
Attend one session
in this row.

S1
Programming Best Practice -
Siemens Open Library
11:00 AM - 11:50 AM
NUREMBERG

S2
Intro to WinCC Unified
System...
11:00 AM - 11:50 AM
DUSSELDORF

S10
Tools for converting
applications & simulation of
wind/unwind application
10:30 AM - 11:20 AM
BERLIN

S15
Best Practices and Success
Stories with Distributed
Control Systems
10:30 AM - 11:20 AM
FRANKFURT

L U N C H

A F T E R N O O N

SESSION 1
Attend one session
in this row.

S5
Performance Monitoring for
S7-1200/1500 CPUs
1:00 PM - 1:50 PM
DUSSELDORF

S13
Commission and
troubleshoot drives from
your mobile device!
1:00 PM - 1:50 PM
COLOGNE

S16
Determining SCCR - Your
path to applying the
standards...
1:30 PM - 2:20 PM
BERLIN

S21
Discover a Unique Way to
Connect Your Machine to
the Cloud
1:00 PM - 1:50 PM
NUREMBERG

SESSION 2
Attend one session
in this row.

S6
Migration to TIA Portal
2:00 PM - 2:50 PM
DUSSELDORF

S11
Industrial Networks: Present
and Future
2:30 PM - 3:20 PM
BERLIN

S18
Simplify Controls Design and
BOM Creation
2:30 PM - 3:20 PM
FRANKFURT

S20
The fastest and easiest way
to achieve compliance with
OSHA, ANSI and...
2:00 PM - 2:50 PM
NUREMBERG

SESSION 3
Attend one session
in this row.

S12
What's new in Automation
3:30 PM - 4:20 PM
BERLIN

S22
Programming Best Practice -
Team Engineering using TIA
Project Server
3:00 PM - 3:50 PM
DUSSELDORF



R E C E P T I O N

Oktoberfest Reception

NETWORKING AND PRIZES

4 PM - 7 PM

After a day full of learning, the post event reception is a great time to catch up with your peers, PCC and our vendors for a little fun including food, beverages, games, and raffle drawings. Attendees will turn in their technology passports / surveys to receive their official Oktoberfest stein to use when the beer is tapped.

BAGS TOURNAMENT

FOLLOWING RAFFLE DRAWINGS AT 5 PM

Part of off the PCC Oktoberfest festivities is the traditional Bags/Cornhole tournament. Two person teams will compete in a double elimination format until a champion is crowned. If you would like to participate but do not have a partner we will team you up with another person. The winner of the cornhole tournament gets a choice of raffle prizes (see page 9).

Sign up for the bags tournament at the front reception desk.



Sign up to play!

Presenting Sponsor:

SIEMENS

Siemens & PCC

PCC is the premiere and longest standing Siemens automation channel partner in Wisconsin. Our roots with Siemens date back to 1981 when PCC became a Texas Instruments distributor. Since that time we have continued to be a highlevel, primary technical resource for Siemens users through pre and post-sale consulting, training and technical support. During our decades long partnership with Siemens, we have consistently been recognized as a top channel partner earning many awards at the national level.

Automation Fair Exhibitors & Sponsors:



Raffle Prizes

WAYS TO WIN:

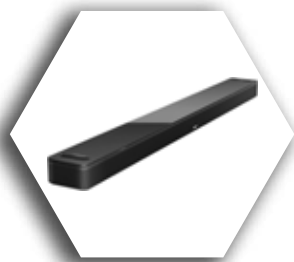
There are a few different opportunities to be entered into the drawing for raffle prizes. Choose from these ways to increase your odds:

1. All attendees receive 1 raffle ticket upon entry
2. Turn in stamped Automation Fair Passport for raffle tickets (*see page 8*)
3. Complete event survey using QR code (*see bottom of page*)
4. Win the bag toss tournament for a prize (*see page 7*)

Oktoberfest reception begins at 4:00 PM. The live drawing will take place shortly thereafter. Attendees should save their raffle tickets, and they need not be present to win. 5 tickets will be drawn for 5 prizes, and the remaining 6th prize will be drawn at a later date after the close of the event survey.



Traeger Wood Grill and Smoker



Bose Smart Soundbar



YETI Tundra 65 Cooler



YETI Portable Soft Cooler



Milwaukee Electric Hammer Drill Kit



GoPro HERO10 Black

TELL US WHAT YOU THINK:



Win this Siemens "Tech Pack." Scan the QR code and complete the brief Oktoberfest survey to be entered for a chance to win this TSA friendly backpack full of swag including a bamboo wireless fast charging phone pad, foldable wireless mouse, and a 16GB carabiner USB drive.





















Automation Fair Passport

Visit the automation fair booths to collect stamps on your passport.

Every 3 stamps = 1 raffle ticket. (ie. 12 stamps = 4 tickets)

Fill your passport with all 26 stamps and receive 10 raffle tickets!

Once completed return your passport & survey to the registration area to **redeem your tickets** and collect your Oktoberfest stein.



PCC is an industrial automation, power distribution and electrical controls distributor for Siemens and other world-class technology providers, serving the Wisconsin and Minnesota manufacturing industry for nearly 40 years. From complex leading edge technologies to simple off-the-shelf control components, PCC packages a high level of local engineering support and value-add with every product sold.

www.pccweb.com