



	Berlin Room 112	Munich Room 116	Cologne Room 117	Dusseldorf Room 118	Nuremberg Room 119	Frankfurt Room 120
11:00 - 11:50	S6				S1	
1:00 - 1:50	S7		W1		S2	
2:00 - 2:50	S8				S3	
10:30 - 11:20		S12	S11	S9		S4
11:30 - 12:20						
11:30 - 12:20		S13		S10		S5

S1 - Migration from WinCC Comfort to WinCC Unified

Kelly Anton - GCG

Learn about the process of migrating prior generation Comfort Panel Applications into Unified Comfort Panels. Explore useful tools and resources that are available to help with migration.

S2 - WinCC Unified Tips and Tricks Jumpstart

Kelly Anton - GCG

Increase engineering efficiency in WinCC Unified with helpful tips. Just starting out or seasoned user there will be something here for you. This seminar will highlight new concepts in Unified Comfort Panels. You will be on your way developing more efficiently in no time.

S3 - JavaScript in WinCC Unified

Kelly Anton - GCG

Learn the basics of programming and debugging JavaScript within WinCC Unified. Learn about Code Snippets, Global Modules and more in WinCC Unified System. Several JavaScript use cases will be presented.

S4 - What's New in Siemens Automation

Alan Cone - Siemens

Join the Factory Automation team for an overview of the latest and greatest in SIMATIC product and technology innovations. Get a sneak peek into TIA Portal Version 20 and the S7-1200 G2 PLC along with many other hardware and software updates. Come find out how these latest innovations can help improve your applications, reduce your engineering time and increase your productivity.

S5 - Machine Safety and OSHA Compliance - How to keep OSHA happy

Ben Harper – Leuze

We will cover the risk assessment process & review past & present applications, as outlined below:

- Risk Assessment: Identify and mitigate hazards on industrial machines to ensure safe operation and compliance with directives like the European machinery directive. Key steps include:
 - Analyzing existing risks
 - Assessing and calculating risk values
 - Describing and implementing risk-minimizing measures
 - Verifying effectiveness through re-assessment
- Safety Concept & Design: Based on the risk analysis, the design engineer creates a safety concept balancing safety, ergonomics, & cost-effectiveness, adhering to relevant standards & regulations.
- Verification & Validation: Ensures the accurate implementation of safety functions. This involves:
 - Verifying design correctness against specifications for both software and hardware
 - Validating performance through function tests and error simulations
 - Defining necessary steps in the validation plan during the design phase

S6 - What's New with Siemens Controls in 2024

Jim Sirois - Siemens

Come see the latest in Siemens Controls for 2024. This year we are releasing new Digital Motor Starters up to 32A with Profinet, EtherNet IP, and Modbus TCP communications for full application transparency. Introducing 1-4 pole Industrial Surge Protection Devices for protection of AC and DC power circuits and Signal Line Protection. See Siemens first to market 3-pole GFCI circuit breakers for DIN and Panelboard Mounting. Plug and play with our new CrossBoard Power Distribution System up to 250A.

S7 - Unlock the power of industrial data with Siemens Industrial Edge

Luiz Navarez – Siemens

In this presentation, we will explore Siemens Industrial Edge with its state-of-the-art platform, Industrial grade devices, and out-of-the box applications streamlining how you collect, connect, and contextualize data from machines and processes to make data handling simple, scalable, and reliable. You will also hear about real-world examples of how Industrial Edge and the integration of IT and OT are addressing challenges in manufacturing and enabling data-driven decisions to drive further improvements in your production and accelerate your digital transformation.

S8 - VFD Cable - Essential or Overkill?

Tahar Irid – Southwire

VFD Systems can experience problems with both radiated and non-radiated electromagnetic interference (EMI) which decreases systems productivity. If EMI is not properly managed, it can lead to operational problems and potentially expensive damage to motors, drives and other electrical devices within the facility. We will explore how VFD cables mitigate many of these risks. We will identify three critical components to a VFD cable and explore how each component works to control the adverse effects of the drive's high frequency pulse width modulated forms.

S9 - The New SINAMICS G220 drive for industries - A deep dive SEMINAR session focused on what makes this drive Efficient, Secure and Future-proof

Rudy Hauser - Siemens

This seminar includes product information, target applications, and the innovative features/benefits to differentiate the new SINAMICS G220 from current G120/G120X drives. We will discuss the improved hardware and software in this new generation SINAMICS drive which is part of the Siemens Xcelerator portfolio that enables our customer's digital transformation and will include discussion on DriveSIM Engineer software that would allow full digital twin simulation of the G220 for designing, optimization, and training on customer applications. We will also have a demonstration portion that will cover familiarization of the hardware, connecting to G220's built in web server, security, and safety features.

S10 - The evolution of Wireless in manufacturing – Learn the differences in Wifi 4 and Wifi 6 and how these technologies can enhance productivity.

Anand Edke – Siemens

With increasing adoption of wireless in manufacturing environments, this seminar helps explain the technologies and differences in the Wifi 4 and Wifi 6 standards in Industrial environments. Learn how each of these technologies differ and how they enable industrial users with the benefits of increased efficiency and productivity.

S11 - Automated Crane Modernization

Danny Langley – DMC

An overhead crane operating at high speeds with heavy loads, that shares an operating space with a separate manual crane, people, and AGVs? Discover how DMC transformed an automated overhead crane system for depalletizing large paper reams from a proprietary Linux-based solution to a modern, standard automation system by upgrading to a Siemens 1500T Processor and WinCC Unified HMI. 7 axes of motion, dynamic safety zones, 3D vision, AVG integrations, and a real-time animated UI. Join us to take look at how it all fits together!

S12 - Enhancing Plant Safety with Safety PLC-Based Burner Management Systems (BMS) and Cross Limiting Combustion Control (CCS)

Trident Automation

Plant safety is crucial to prevent accidents. A safety controller-based Burner Management System (BMS) ensures safe burner operation, providing clear trip and diagnostic information. Undetected faults in combustion air or gas flow can lead to hazardous fuel-rich conditions. Trident's cross limiting controls with the "O2 Trim" function continuously monitor and adjust gas and air flows to maintain the optimal air/fuel ratio, enhancing safety during normal operation.

S13 - Virtual Commissioning and Digital Twin with TIA Portal, SIMIT and Advanced 3rd Party Modeling Software

Unknown – Trident Automation

Undetected errors can extend commissioning time and increase costs. By leveraging advanced simulation techniques during the design, development, and testing phases, rigorous checks can be performed, minimizing surprises and reducing deployment/startup time. SIMIT, in conjunction with TIA Portal, allows for virtual commissioning, cutting time to market, lowering costs, and boosting flexibility and productivity. This approach also enables the simulation and optimization of interactions between individual components of entire production lines in a virtual environment, reducing the risks and efforts of actual machine start-up.

W1 - Safety 3rd? Not with Siemens - Drive safety with Profisafe truly makes it Safety 1st

John Pokrandt - GCG

In this hands on workshop we will discuss basic drive safety (STO). We will configure a drive and connect it via safety telegram to a Siemens PLC using Profinet/Profisafe. Our training demo consists of a Siemens S7-1500 Safety CPU and a Sinamics G120 VFD. We will generate a safety program to control STO in the drives via ProfiSafe.

