2019 Siemens Automation Summit – A User Conference
June 17 - 20, 2019 • Aurora, CO
The annual Automation Summit is a user conference for manufacturing professionals who use Siemens automation technologies, including distributed control systems, smart manufacturing, HMI, motion controllers, industrial networks, process instrumentation, motors and drives, and digitalization.

Join us for best practice sharing, networking opportunities with Siemens management and peers, the opportunity to ask your questions one-on-one technical experts and hands-on training.

You will also learn how to use and explore the breadth and depth of the Siemens portfolio.
## Automation Summit Agenda

### Monday, June 17

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Day</td>
<td>Arrivals and Check-in</td>
</tr>
<tr>
<td>4:00 PM – 7:00 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>5:30 PM – 6:00 PM</td>
<td>First Time Attendee Meeting</td>
</tr>
<tr>
<td>7:00 PM – 10:00 PM</td>
<td>Welcome Reception</td>
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### Tuesday, June 18

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Registration Opens</td>
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<tr>
<td>7:00 AM – 8:00 AM</td>
<td>Breakfast in Technology Café</td>
</tr>
<tr>
<td>8:00 AM – 9:30 AM</td>
<td>Opening General Session</td>
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<tr>
<td>9:30 AM – 10:00 AM</td>
<td>Break</td>
</tr>
<tr>
<td>10:00 AM – 10:45 AM</td>
<td>Breakout Sessions</td>
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<tr>
<td>10:45 AM – 11:00 AM</td>
<td>Break</td>
</tr>
<tr>
<td>11:00 AM – 11:45 AM</td>
<td>Breakout Sessions, Roadmaps and Hands-on Training</td>
</tr>
<tr>
<td>11:45 AM – 1:00 PM</td>
<td>Lunch in Technology Cafe</td>
</tr>
<tr>
<td>1:00 PM – 1:45 PM</td>
<td>Breakout Sessions, FA PLC Roadmap &amp; Feedback Session and Hands-on Training</td>
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<tr>
<td>1:45 PM – 2:00 PM</td>
<td>Break</td>
</tr>
<tr>
<td>2:00 PM – 2:45 PM</td>
<td>Breakout Sessions, HMI Roadmap &amp; Feedback Session and Hands-on Training</td>
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<tr>
<td>2:45 PM – 3:00 PM</td>
<td>Break</td>
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<tr>
<td>3:00 PM – 3:45 PM</td>
<td>Breakout Sessions, MC Drives Roadmap Session and Hands-on Training</td>
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<tr>
<td>3:45 PM – 4:00 PM</td>
<td>Break</td>
</tr>
<tr>
<td>4:00 PM – 4:45 PM</td>
<td>Breakout Sessions, CI Roadmap &amp; Feedback Session and Hands-on Training</td>
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* Technology Café open from 12:00 PM – 5:00 PM

### Wednesday, June 19

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>7:00 AM – 8:00 AM</td>
<td>Breakfast in Technology Café</td>
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<tr>
<td>8:00 AM – 8:45 AM</td>
<td>Breakout Sessions and Hands-on Training (*Technology Café opens)</td>
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<tr>
<td>8:45 AM – 9:00 AM</td>
<td>Break</td>
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<tr>
<td>9:00 AM – 9:45 AM</td>
<td>Breakout Sessions and Hands-on Training</td>
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<td>9:45 AM – 10:00 AM</td>
<td>Break</td>
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<td>10:00 AM – 10:45 AM</td>
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<td>Break</td>
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<td>11:00 AM – 11:45 PM</td>
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<tr>
<td>11:45 AM – 1:00 PM</td>
<td>Lunch in Technology Café</td>
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<td>Break</td>
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<tr>
<td>3:00 PM – 3:45 PM</td>
<td>Breakout Sessions, PA Feedback Session and Hands-on Training</td>
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<tr>
<td>3:45 PM – 4:00 PM</td>
<td>Break</td>
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<tr>
<td>4:00 PM – 4:45 PM</td>
<td>Breakout Sessions, PA Feedback Session and Hands-on Training</td>
</tr>
<tr>
<td>4:45 PM – 6:00 PM</td>
<td>Visit the Technology Café</td>
</tr>
<tr>
<td>7:00 PM – 10:00 PM</td>
<td>Customer Appreciation Event</td>
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* Technology Café open from 8:30 AM – 5:00 PM

### Thursday, June 20

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Breakfast in Technology Café</td>
</tr>
<tr>
<td>8:30 AM – 12:30 PM</td>
<td>Hands-on Training</td>
</tr>
<tr>
<td>12:30 PM – 1:00 PM</td>
<td>Boxed lunches to go</td>
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</tbody>
</table>

* Technology Café open from 8:30 AM – 11:00 AM

**Agenda and breakout session details** will be updated regularly on the website: [www.usa.siemens.com/summit](http://www.usa.siemens.com/summit)
Technology Cafe 2019

Unleashing the power of digitalization in your industry. Implement now.

Be at Your Best With Industry Services
The challenges that manufacturing companies face are as varied as the products they produce. Industry Services can help your operation reach the next level with our unique service and support offering that covers the entire lifecycle, from classic maintenance to innovative digital solutions. From boosting the productivity of your plant to seizing the opportunities of digitalization, our dedicated service engineers and technicians across the country work with our customers every day to help keep America’s industry running. Stop by to meet our experts and discover how we can help you tap hidden potential and increase the performance of your machines and plants. Your success today and in the future -- the foundation of everything we do.

Distributed Control Systems (DCS)
Get the latest update on the hardware and software for Siemens DCS solutions. Learn about the innovations in both SIMATIC PCS 7 and SIMATIC PCS neo, which are focused on the future-oriented opportunities of digitalization. Find out how they will impact the way you engineer and operate your plants.

Intelligent, Efficient and Reliable Power Infrastructure
Take the opportunity to explore what a Totally Integrated Power (TIP) solution looks like. From the components that make up a power distribution solution to the actual power distribution equipment itself to the digitalization that integrates them, Siemens has an offering that is sure to make your facility a safe, intelligent and more reliable system. Learn about our new 3VA circuit protection offering, the benefits of power monitoring and metering, the efficiencies found with our Smart Switchboard and Switchgear offerings and about the state-of-the-art technologies in low voltage motor control.

Solution Partners
Certified Siemens Solution Partners are your experts for all things Industry 4.0. Whether it involves process automation, factory automation, drives and motion, machine tool, or industrial communications, there’s an experienced Solution Partner near you. Siemens Solution Partners have the expertise in delivering integrated manufacturing solutions to transform your business into a digital enterprise, and to ensure your competitive edge, with scalable solutions from Siemens!

Industrial Controls and Components
Tour the control products and components walls! Our products communicate at the smallest device, a push button, for complete system digitalization over a new or existing network for total transparency. We like to call it, “out of the box,” ready to communicate with AS-Interface, IO-Link, PROFINET, and other networks providing the monitoring and diagnostics that you need. Our SIRIUS portfolio showcases IP69K-rated pilot devices and push buttons, IEC motor control & management with AS-I, IO-Link and Ethernet/IP to help prevent faults in automated processes and reduce plant downtime. You can also see the vast array of flexible and modular starters & relays that help save you wiring and costs in your control cabinet.

Process Instrumentation
Digitalization is about information from the field -- and Siemens process instrumentation provides that vital data. Siemens offers a portfolio of process instruments for flow, level, pressure and temperature measurement, as well as a wide range of weighing products. Our intelligent instruments are designed for seamless interplay with the larger world of industrial automation and control systems -- enabling greater process transparency and smarter decisions for your business. Visit us in the Tech Café to learn more about how our digitalized field devices can help you.

Digitalization for Process Industries with COMOS
Based on the principle of a cross-discipline configurator, the COMOS plant engineering software helps to optimize use of existing expertise, standardize engineering processes, shorten proposal processes and increase proposal quality.
significantly. COMOS Modularized Engineering directly connects the plant components generated as part of the technical quotation process with the necessary commercial cost items. This ensures efficiency from digital proposal creation to plant delivery, helping customers to optimize time-to-market and become more competitive. The benefits extend far beyond the proposal phase, as COMOS also increases quality and efficiency in basic and detail engineering.

Digitalization in the Pharmaceutical Industry
The race for smart biopharma processes is driven by the emerging trend of flexibility as a means to make facilities smarter and more adaptable, all while using digitalization to acquire a deep level of process understanding. Learn the latest about digitalization solutions for Plug and Produce and Paperless Manufacturing. PROFINET is the ideal system for connecting mobile equipment such as single-use bioreactors and mixers to the automation network. SIMATIC IT eBR acts as a central production management tool, enabling paperless manufacturing. It allows for simple integration of single-use package units, supporting set-up and operation through electronic work instructions and electronic batch recording.

Industrial Communications, Identification, Locating and Power Supplies
Learn about the latest offerings in communication, identification, locating and power products. Our portfolio of SCALANCE and RUGGEDCOM wired, wireless and remote communication solutions form a secure backbone for digitization in industrial and extreme environments. Without reliable industrial communica
tion, controlling machines, monitoring production lines and managing power would be impossible. The digital enterprise is further enhanced with SIMATIC RFID, code reading and real-time locating systems (RTL6S) that enable total transparency, intelligent data management and high level of customization – closing the gaps between the real and digital worlds. Forming the heart of automation is our portfolio of reliable, networked SITOP power supplies to meet the demands of critical production conditions.

Low Voltage Drives and Motors
Come learn about our new products including our award-winning, new Smart Access web server for wireless commissioning and maintenance, Simotics S210 and Simotics 1FK2 motor package (which uses one cable technology combining power and feedback), and our UL1 Kits that exceed NEMA1 kit requirements. Also new this year is the Sinamics G120X: a simple, seamless and easy-to-use drive for the infrastructure market. Combined with years of experience and technical expertise, Siemens is capable of providing complete solutions for even the most challenging applications. Come visit us at our booth to learn more about how we can reduce downtime, engineering time and training.

Modernization for Smart Manufacturing
Come and experience the latest innovations in automation software and hardware, giving you full access to all digitalized automation functions, from digital planning and integrated engineering to transparent operation. This exhibit will highlight the integration of engineering, visualization, safety, motion control, SCADA, and PC-based automation, which can enhance your engineering efficiencies and increase your productivity using Smart Manufacturing Solutions.

Digitalization in the Chemical Industry
Learn more about digitalization apps as a low-cost method to take advantage of data that is likely already available in your plant. User-friendly and easily accessible tools are now available to address problematic areas, such as control valve maintenance and failures, inefficient PID control loops, and overwhelming alarm conditions. Learn about the holistic Siemens Manufacturing Operations Management (MOM) solution that enables implementation of a strategy for the digitalization of operations.

Low Voltage Motor Control Centers
Siemens tiastarTM low-voltage motor control centers (LV MCCs) combine time-proven designs and components with the latest technological advances to meet most any application. No matter how customized your needs may be, you can be assured that you are getting a finished product that represents state-of-the-art LV MCC technology. Innovative features, like Sm@rtGear and SIERS, and the market's first UL-certified arc-resistant LV MCC allow you to maximize your return on investment while minimizing complexity and risk.
Training

- **Device Hardening - Simple Steps to Make Devices More Resilient to Cyber Threats**
  Cyber Threats are becoming increasingly more common within the OT environment. There are some simple steps that can be taken to reduce the risk of a cyber incident on your industrial network. This can be done without any additional software or hardware. This session will help guide you through the steps needed to make your network devices more resilient by securing and disabling features, implementing Access Control Lists, and more.

- **Making You a Pro at PROFINET and Process Automation**
  This session will teach you the details about PROFINET technology, a review of system architectures for the process automation industry, the application of these networks to Siemens process automation IO (ET200SP HA and Compact Field Unit) and examples of cabinetry designs. You will learn the fundamentals of the technology and best practices on how to design, implement and maintain these systems. We will also provide an overview of the network tools so that you can design, engineer and maintain your system efficiently. We will include examples of best practices for integrating Siemens instrumentation, as well as electrical devices such as SINAMICS Drives and SIMOCODE via PROFINET to the process automation system. We will discuss the roles of the Siemens SCALANCE network devices (BANY, Service Bridge, Y-Switch...) to design and support your network. This session will include a combination of presentations, live demonstrations and hands-on experiences.

- **PCS 7 Innovations Adoption and Preparing My Future**
  This session will review the reasons and steps to adopt the innovations in PCS 7 V9, including the hardware, software and cyber security benefits. We will also discuss the Advanced Process Library (APL) and Control Module Types (CMT) and provide presentations, demonstration and hands-on exercises to help define what they are and why you may want to pursue them as your configuration approach today. We will also discuss how the APL and CMT approach will simplify the adoption of future upgrades and innovations. The session will also provide time for you to ask specific questions regarding your upgrade to and adoption of these innovations.

- **SIMIT Roadmap, Feedback, and Training Workshop**
  Come meet the head of Siemens’ global Simulation Center and learn about the product roadmap and overall offering for SIMIT Simulation Portfolio and the joint modelbased solutions offering with Siemens’ strategic partner PSE (gPROMS). SIMIT is tightly integrated with many Siemens control systems including TIA Portal, SIMATIC PCS 7, and Process Safety Systems. It provides the foundation for creating a digital twin of your plant that can be used for project commissioning, testing, and optimization as well as operator
We encourage you to join us for training courses led by Siemens technology experts. Students will share work stations and have hands-on access to product equipment. All courses include a certificate of completion that can be submitted for professional hours.

training systems. In combination with PSE’s technology it is able to put the digital twin to a new level of detail in regard to the process and also to use it intensively for operations optimizations. This presentation will also provide you a preview of the new features that will be available with upcoming release of SIMIT Version 10.1 in July 2019 and offer insight into future SIMIT developments, as well as the joint developments with PSE. We’ll also take this opportunity to discuss your experiences with SIMIT and ask for your feedback and suggestions for the strategic direction of the portfolio. We’re looking forward to collaborating with you on SIMIT’s continued growth and development.

**Simple, Seamless and Easy to Use - The New Sinamics G120X**
The SINAMICS G120X is a simple, seamless, easy-to-use infrastructure drive - right out of the box for simple applications in the manufacturing industry such as pump, fan, compressor, conveyor, etc. Learn about what’s new and exciting in this product, along with its key hardware and software features and dedicated functions which will help you provide simple, cost effective, and time and energy efficient solution for your needs related to the above mentioned applications in the manufacturing industry.

**Ease of Siemens Interconnectivity into 3rd Party Technology**
Participants will gain a better understanding of how to integrate Sinamics General Purpose Drives into Rockwell Automation control platforms through Studio 5000 and FT View ME software using new efficient integration techniques such as Faceplates, AOIs, UDTs and EDS files.

**HMI Hands-on Workshop**
At this interactive, hands-on workshop, you will get an opportunity to explore capabilities of the SIMATIC Basic and Comfort panels. We will discuss interfacing with Rockwell PLCs, faceplates and library objects, trending and alarms, along with other WinCC features available within TIA Portal.

**Can Motion Control Be Any Easier? Discover a New Way of Motion**
Explore a new way of motion control within TIA Portal V15.1 to help you reduce machine development time while increasing performance and diagnostics. We’ll highlight the SIMATIC S7-1500T controller and SINAMICS S210 drives that offers an unprecedented level of integration to solve your motion applications.
Motor Control Provides Improved Productivity and a Path to Digitalization

Motors are often at the center of the equation for improving your productivity and providing a path to Digitalization. This hands-on workshop for PROFINET/OPC enabled full voltage and reduced voltage starters will help you to provide better Control, Monitoring and Protection of your machine or process. At the same time, this solution will provide key diagnostic, operational and statistical information to your Cloud Database for analysis. Motor Control data that has been stored on a cloud database and analyzed will then be displayed on a dashboard.

Control Panel Design and Efficient Engineering

Over the last two years, the three major standards for the design and construction of industrial control panels - NFPA70 (NEC), NFPA79 and UL508A - have had new editions released. What are these changes and how will they affect you? In this seminar, we will answer this question with an overview of the latest changes to the standards. In addition, we will cover other important topics for panel building such as branch circuit requirements, short-circuit current ratings and Siemens tools and resources for control panel design and engineering. Come learn how Siemens can support you in your control panel design and engineering.

SIMATIC S7-1200F Basic Safety Integrated Workshop

At this interactive, hands-on workshop with a brand-new modular demo set, you will get an opportunity to explore capabilities of the SIMATIC S7-1200F basic safety controller. We will discuss safety standards, trends, wiring and safety functions, in order to provide you with the required guidance to feel comfortable and confident with your upcoming safety projects.

Motion Engineering Efficiency with Standard application Axis Control and CAD to Path for S7-1500 T-CPU

Apply the LAxisCtrl libraries for your standard application axis control to quickly and efficiently get your machine axis up and running. In addition, generating a path data from a CAD or graphic vector file for interpolation in the S7-1500 Technology CPU.

YES! Selling (Projects, Ideas, Yourself) to others

What does your customer care about? Understanding this helps you get to “Yes!” Whether you are promoting a project internally, selling a product or service to customers, or gaining willing cooperation from your team, there are process steps to make you more successful. This is an updated version of a popularly requested Automation Summit training back for the fifth year in a row – it works! This year even more examples and hands-on exercises. If you want better results selling your ideas and projects using your own style and a proven process, join us. In this fun and interactive session we will explore how to sell without seeming like a “typical salesperson.” If you like helping others and want to make it easier to get to a “Yes” without tricks or deceit, this session is for you. You will apply these skills to your own real-world situations and learn specific questions to coach others in the process as well. Come join!

Open Engineering Lab

This is a hands-on opportunity to experience, discrete or process automation. We will be showcasing the latest in PCS 7 hardware and software, covering topics in Engineering, Operations, Batch, and Simulation. You can also learn how TIA Portal has been extended to support transparent redundant programming with the new S7-1500R/H redundant controllers. In this lab environment, you are free to explore the software and hardware at your leisure or a step-by-step guided instruction lab is available for use. In addition, Siemens experts will be on hand to help demonstrate relevant features or answer specific questions.
Breakout Sessions

Select from 50+ user-led presentations and learn from others on how they successfully applied Siemens technologies.

- Best Practices & Novel Approaches
- Productivity & Efficiency
- Digitalization
- Safety & Industrial Security
- Maintenance & Operations

You can see all the abstracts as they become available at:
www.usa.siemens.com/acceptedabstracts

The Siemens led sessions will include:
- Roadmaps – the latest Siemens technology will be presented by product management
- Feedback Forums – you can provide Siemens with feedback on products, solutions and services

Networking Events

Monday, June 17

Welcome Reception - How the Best Was Done
Precision, focus, persistence... do you have what it takes? Our Solution Partners do and they‘ll share their expertise with you! The Connect Event and Welcome Reception will take advantage of the beautiful summer days in Denver.

Wednesday, June 19

Customer Appreciation Event - Old Frontiers and New Ideas
Our past, present and future will converge at the 2019 Automation Summit customer appreciation event! Experience Siemens cowboy innovation and true grit as the Old West collides with the digital landscapes of today’s modern world. Kick up your spurs, put on your best bib and tucker (i.e. best duds or finery) and join us to celebrate a pioneering spirit and blazing new trails toward the future. Boots, chaps, and cowboy hats optional!
Customer Excellence Awards

Since 2006, the Customer Excellence Awards have recognized achievements of our customers and partners who exemplify using Siemens technology to generate superior business results. This year, the awards highlight revolutions in innovation, productivity and resource efficiency, fueling inspiration for all users in our Siemens Automation User Community.

Each of this year’s winners has clearly demonstrated their leadership in driving innovation, collaboratively overcoming barriers and delivering success. All of the winners have much of which to be proud, and their sharing will inspire us all.

Awards will be given during the opening session of the conference and include a brief presentation with details of the winning projects.
Conference Details

Official website: www.usa.siemens.com/summit

Register today!

Dates: June 17 - 20, 2019

Location: Gaylord Rockies Resort & Convention Center
6700 North Gaylord Rockies Boulevard
Aurora, CO 80019 USA
Phone: (720) 452-6900
Website: https://www.marriott.com/hotels/travel/dengr-gaylord-rockies-resort-and-convention-center/

The 2019 Automation Summit is an all-inclusive package – one registration fee covers it all. Not only can you attend the Summit, but your three nights at the Gaylord Rockies Resort & Convention Center are covered, as are your conference meals, educational sessions, and networking events.

Conference Fees
The full conference fee is $1795 and includes three nights of lodging, daily breakfast, lunch and all evening networking events.

Spouse / Guest Fee – $295

Spouse / Guest Fee (Monday night only) – $50

Spouse / Guest Fee (Wednesday night only) – $50

Early Career Engineer Fee – $995
This type of attendee needs to be a first time attendee as well as being accompanied by a full-paying colleague from the same company (includes lodging.)

Visit the event website for additional details.

Dress Code
Business casual attire will be appropriate for all occasions.
The technical data presented in this document is based on an actual case or on as-designed parameters, and therefore should not be relied upon for any specific application and does not constitute a performance guarantee for any projects. Actual results are dependent on variable conditions. Accordingly, Siemens does not make representations, warranties, or assurances as to the accuracy, currency or completeness of the content contained herein. If requested, we will provide specific technical data or specifications with respect to any customer's particular applications. Our company is constantly involved in engineering and development. For that reason, we reserve the right to modify, at any time, the technology and product specifications contained herein.