TECHNICAL SESSIONS
Date: 21 & 22 September 2020

Time (GMT +8)	CONTROL TRACK	INFORMATION SOLUTIONS TRACK	NETWORKS TRACK	PROCESS TRACK	SAFETY & SECURITY TRACK	SYSTEM TRACK
10:00 - 11:00	CL2 - Discover the Value of Scalable Compute	IS1 - Monetizing Business Outcomes with FactoryTalk® InnovationSuite Industrial IoT Platform	NT1 - Fundamentals of EtherNet/IP IIoT Network Technology	PR2 - PlantPAx 5.0 - The Modern Distributed Control System	SS1- Safety System Development Process and Configuration Tools Overview	SY2- The Future of Software Purchase and Maintenance
11:00 - 12:00	CL4- Integrated Architecture® System Software - What's New	IS3 -Simplifying Analytics at the Edge for Real-time and Predictive Decision-Making	NT3- Design Considerations for Reliable EtherNet/IP Networking	PR3 - Expect More from Batch Systems - What's New in Batch v14	SS2- Safety Automation Architectures - What's New	SY4- ThinManager® Delivering and Managing The Connected Enterprise
12:00 -13:15	LUNCH BREAK					
13:15 - 14:15	CL08 - Studio 5000 Logix Designer® Application: Overview & Demo	IS4- Machine Learning Options from Edge to Cloud	NT5- Applying EtherNet/IP Network Features for High Performance Machine-level Architectures	PR6 - Analytics for Process Control in PlantPAx 5.0	SS5 - Cybersecurity for OT Systems: Why? And Where do I Start?	SY7 - How Can FactoryTalk® AssetCentre Help Me Save the Day?
14:15 - 15:15	CL3 - What's New and Notable in the Integrated Architecture® System	IS9 - Empower your workforce with Augmented Reality	NT06 - The Next Phase of the IT/OT Integration - Extending IT Security to the Cell/Area zone of the Plant Architecture	PR9 - Modernization and Migrations from Legacy DCS Platforms to PlantPAx. 5.0		SY8 - Implement Premier Integration
15:15 - 15:45	AFTERNOON BREAK					
	POWER, MOTION & MOTOR CONTROL TRACK	VIZUALIZATION & COLLABORATION TRACK				
15:45 - 16:45	PM1- Kinetix® Motion Control, iTRAK® and MagneMotion® Intelligent Track Systems - What's New	VZ2 -Visualization at Rockwell Automation - What's New		PR14 - Visualization and UI Methods to Improve Operator Responses in Abnormal Situations in PlantPAx 5.0		SY9 - Communications using FactoryTalk® Linx, OPC UA and KEPServer Enterprise
16:45 - 17:45				PR18 - Introduction to the Purpose Built Process Objects Library in PlantPAx 5.0		

Session Name	Session Code	Session Description
Discover the Value of Scalable Compute	CL2	This session will introduce and demonstrate the capabilities of our scalable compute technology. The 1756 compute module and CompactLogix™ 5480 controller will be the focus of this session and attendees will get hands-on experience using and configuring the Application Program Interface (API). Learn the power of Logix and
What's New and Notable in the Integrated Architecture® System	CL3	This session introduces the new key products and features recently released and is a preview of future enhancements to the Integrated Architecture® system. Topics covered include updates to our Logix controllers, I/O, networking, safety and motion products.
Integrated Architecture® System Software - What's New	CL4	Attend this session to learn about the latest developments to the Studio 5000 Automation Engineering & Design Environment®. Hear where we are going, and how we can help reduce your engineering time, reduce risk and increase your productivity.
Studio 5000 Logix Designer® Application: Overview & Demo	CL8	Want to learn more about the Studio 5000 Logix Designer® application? Learn how a focus on productive design allows users to create projects that are efficient, supportable and scalable. This session will provide an overview of the Studio 5000 Logix Designer® application and demonstrate examples of code creation, project
Monetizing Business Outcomes with FactoryTalk® InnovationSuite Industrial IoT Platform	IS1	Emphasizing the combination of the operational expertise and analytics capabilities that RA brings together with the ThingWorx IoT platform using specific use cases to show valuable business outcomes.
Simplifying Analytics at the Edge for Real-time and Predictive Decision-Making	IS3	It's imperative to get the information you need where you need it and as close as possible to where it can have the greatest impact. By getting contextualized information at the edge to do analytics, you can achieve significant savings in cost and time. Learn how this modern approach to a DCS with the addition of new workflows, LogixAI® and how to operationalize machine learning with FactoryTalk® Analytics™ Edge to deliver real-time predictive analytics. See how we've made integrations of
Machine Learning Options from Edge to Cloud	IS4	Predictive maintenance is not a thing of the future, it is possible today and can take many forms. RA has many solutions that utilize ML in a device, or as part of a platform to provide predictive and prescriptive maintenance information to reduce downtime and improve performance.
Empower your workforce with Augmented Reality	IS9	See how Vuforia can help you improve workforce productivity, provide remote support, train and enforce work instructions and so much more. Augmented Reality is not future tech, it's here now and can help solve some of your workforce challenges.
NT01 - Fundamentals of EtherNet/IP IIoT Network Technology	NT1	This discussion will review the capabilities and features of EtherNet/IP, including an overview of networking technology and terminology. Learn how the Common Industrial Protocol (CIP) fully uses the Open Systems Interconnection (OSI) 7-layer reference model and enables the Industrial Internet of Things (IIoT).
Design Considerations for Reliable EtherNet/IP Networking	NT3	This discussion will review the considerations to help you design and deploy a scalable, reliable, safe and future-ready EtherNet/IP network infrastructure. Topics will include segmentation techniques, data prioritization, resiliency, structure and hierarchy. A prior understanding of general Ethernet concepts, or attendance of the
Applying EtherNet/IP Network Features for High Performance Machine-level Architectures	NT5	This discussion reviews the considerations in successful design and deployment of high-performance EtherNet/IP features such as: Gigabit Ethernet, Direct Device Level Ring (DLR) to meet machine level network topology needs, Network Address Translation (NAT) to enable application code reuse. Discussions will also include recommendations for architectures that include real-time applications such as motion control and switch selection considerations. A prior understanding of general
The Next Phase of the IT/OT Integration - Extending IT Security to the Cell/Area zone of the Plant Architecture	NT6	This session will review the extension of IT Security strategies into the Cell/Area and IACS devices, and how today's network infrastructure will evolve and adapt to tomorrow's requirements and threats. Topics include enhanced remote access, network and security health monitoring, access control and role-based segmentation in a structured, scalable manner.
Kinetix® Motion Control, iTRAK® and MagneMotion® Intelligent Track Systems - What's New	PM1	Come learn about the latest innovative Kinetix® 5100 drives, TLP motors, hygienic motors, expansion of the Kinetix® 5700 portfolio and our single motor cable options. This session will also cover proven application examples using independent cart technology and the enhanced value it can bring when combined with The Connected Enterprise technologies. You will learn about the unprecedented flexibility, precision and speed of the iTRAK® system and the information technologies that can be integrated to maximize your Return on Investment.
PlantPAx 5.0 - The Modern Distributed Control System	PR2	The newly released PlantPAx® 5.0 DCS, the flashship system from Rockwell Automation, uses a plant-wide approach that scales from skids to large operations and provides actionable information for data driven decision making across your enterprise. Learn how this modern approach to a DCS with the addition of new workflows, controllers and availability features helps streamline projects and reduce engineering efforts. As part of this session, you will also be introduced to the latest release of FactoryTalk® Batch v14 which adds online functionality for those industries looking to address complex batching applications.
Expect More from Batch Systems - What's New in Batch v14	PR3	Today's dynamic production climate presents multiple challenges: control costs, mitigate risks, and seize every opportunity to gain a competitive edge. The latest release of Rockwell Automation® flagship batch offering, FactoryTalk Batch v14, helps user in both hybrid and batch applications tackle these challenges with an easily scalable system that focuses on improving operator effectiveness and higher throughput. You will be introduced to the latest release that offer online functionality for complex applications and promotes integration of information with DCS and MES systems.
Analytics for Process Control in PlantPAx 5.0	PR6	Learn how the Rockwell Automation PlantPAx® DCS will enable PTC Vuforia to gain access to live and historical data and bring to life feature rich dashboards along with advanced analytics. Through demonstrations you will see how PlantPAx can be utilized within Vuforia and how control strategy within an augmented reality can simulate actionable faults and analytics.
Modernization and Migrations from Legacy DCS Platforms to PlantPAx. 5.0	PR9	In today's dynamic manufacturing environment, companies are constrained by limited capabilities of their legacy DCS and their ability to support these legacy systems. This session explores the barriers and benefits of modernization, valuable methodologies, execution practices, and tools that assist in planning, budgeting and replacing legacy DCS systems. We will explore how different outcomes gained during a modernization will enable your digitization, optimization and analytic strategies of the operation. These additional benefits can help reduce the risk during the project and ongoing production while accelerating the ROI.
Visualization and UI Methods to Improve Operator Responses in Abnormal Situations in PlantPAx 5.0	PR14	The typical plant operator must interact with a variety of interfaces such as process displays, trends, videos and alarm lists throughout a shift. Navigating these effectively in abnormal conditions can become paramount safety issues. This session will provide an approach for applying the ANSI/ISA 101 standard concept to design systems, with a focus on display design and hierarchy. Learn how to design an effective operator interface to assure your operators are controlling your processes safely while meeting production and quality targets.
Introduction to the Purpose Built Process Objects Library in PlantPAx 5.0	PR18	PlantPAx 5.0 introduces an enhanced library of purpose- built process objects library enables developers to focus on higher level application development while producing a consistent method for basic control of real world devices. Explore new update to the library brings expanded functionality, ease of use, and simplifies the management and testing of applications over their whole lifecycle.
Safety System Development Process and Configuration Tools Overview	SS1	This session will show you how to dramatically reduce development time of safety systems using the Safety Life Cycle and tools from Rockwell Automation. You'll determine return on investment for safety projects, design safety systems and functions, select appropriate safety devices, and ensure that your system meets global safety standards.
Safety Automation Architectures - What's New	SS2	A number of new products have emerged this year improving the flexibility, scalability, and productivity of safety systems. This session will showcase new products and applications including integrated controllers, new Flex and in-chassis I/O, and components.
Cybersecurity for OT Systems: Why? And Where do I Start?	SS5	Securing The Connected Enterprise requires a holistic defense in depth approach that provides insights that improve your bottom line. This discussion will address various system level scenarios with consideration to the attack continuum: Help prevent, detect and respond. Attendees will better understand how to best utilize the breadth of solutions offered by Rockwell Automation and members of the PartnerNetwork. In addition, learn about developing standards and regulations around security and the Rockwell Automation approach for building security into products.
The Future of Software Purchase and Maintenance	SY2	Learn how new software offerings and license management capabilities from Rockwell Automation can help your organization mitigate risk and maximize flexibility. Key topics include: perpetual verses subscription verses SaaS software models, license management capabilities, streamlined software activation and integrated support
ThinManager® Delivering and Managing The Connected Enterprise	SY4	The ThinManager® platform is designed to simplify the way productivity content is delivered and devices are managed within manufacturing environments. Learn how ThinManager® software can revolutionize everything from the plant floor to the control room, change the way you view mobility in those areas, and deliver and manage The Connected Enterprise today.
How Can FactoryTalk® AssetCentre Help Me Save the Day?	SY7	On the plant floor, many unplanned events can happen: devices fail, people make unauthorized changes, etc. Learn how FactoryTalk® AssetCentre can help you save the day by quickly responding to these events. Learn about FactoryTalk® AssetCentre's core functionality, which includes version control, audit information, security, reporting and automated backup and compare of these devices: Logix controllers, PowerFlex® drives, and PanelView™ Plus graphic terminals. Discover how you can use FactoryTalk® AssetCentre's Asset Inventory Agent and Product Compatibility and Download Center integration to make more informed asset lifecycle decisions. Find out how FactoryTalk® AssetCentre is changing to embrace evolving industrial security architectures.
Implement Premier Integration	SY8	We know that efficiency is the name of the game and this session will show you how you can be more efficient when it comes to configuring your drives in a Logix environment - we call this Premier Integration. Not only will you see how this experience helps you reduce integration and configuration times, but you'll see how you can be more productive from the plant floor and drive information throughout your enterprise.
Communications using FactoryTalk® Linx, OPC UA and KEPServer Enterprise	SY9	Combined presentation and instructor-led demonstrations of FactoryTalk® Linx, OPC connectivity and KEPServer Enterprise software to provide visualization and information software access to Logix 5000™ controllers and other control devices. Topics covered includes an overview of connectivity software portfolio, methods to securely access various types of control system information and OPC UA communications.
Visualization at Rockwell Automation - What's New	VZ2	Discover the newly released products and features in Visualization software and hardware and see what's planned for the upcoming year. This session will show how new capabilities enable scalable solutions, efficient application design, access to real-time information and improve operator effectiveness.