IT Professional Ideal Day

YOUR IDEAL DAY PLANNING GUIDE

The world of manufacturing is changing. As leveraging data becomes more critical to achieving manufacturing excellence, the roles of IT professionals and controls engineering are converging. Today, Automation Fair® is as much about IT solutions as it is about industrial automation. Don't miss these IT-specific sessions happening at the 2018 Automation Fair® Event. Go to www.automationfair.com for more information.

BOOTHS

Information Solutions Booth

Information Solutions and services can help you take advantage of your adoption of industrial IoT and connected operations to achieve desired productivity targets, speed time to market and reduce enterprise risk. See how you can make the most of your production data, converging information and operations technology, to deliver decision-making intelligence at every level of your enterprise.

Innovation Booth

In the Innovation Booth, Rockwell Automation will showcase automation technologies on the horizon, some of which are more than two years away. Catch a glimpse into the future and learn about investments Rockwell Automation is making in design, customer experience, scalable compute, analytics, collaboration and mobility.

Connected Enterprise Booth

The Connected Enterprise Industries Pavilion demonstrates a knowledge-enabled, industrial enterprise where devices and processes are monitored and optimized to enhance productivity, safety, security, sustainability and economic performance, thereby unlocking the hidden value discovered through Digital Transformation of an organization.

Rockwell Automation

Automation Fair®

PHILADELPHIA • 2018

NOVEMBER 14 & 15
Pennsylvania Convention Center
www.AutomationFair.com

HANDS-ON-LABS

L15 - Introduction to Network Security Lab

A resilient industrial network security system is essential to help ensure that data is protected and that proper access is only given to the right people at the right time. In this session, you will learn the basic security functions you can use to start optimizing security in your plant network. See how security features in managed switches, like port security, access control lists, and port thresholds, as well as specific capabilities of the Stratix® 5950 Security appliance with deep packet inspection, can help mitigate potential security risks.

L21 - ThinManager® Experience the Platform's Power and Simplicity: Basic Lab

This lab introduces the primary building blocks of the ThinManager® platform while demonstrating its ease of use and flexible content delivery options within a FactoryTalk® environment. This session includes hands-on training with the latest Rockwell Automation® industrial grade box thin client, the VersaView® 5200.

TECHNICAL SESSIONS

T02 - How to Get Started with Embedded Analytics

We want to help customers make decisions as close to the source of the data as possible. We have embedded analytics offerings designed to be embedded within a control network - both at the device and system level. Learn about Project Sherlock and FactoryTalk® Analytics for Devices and how they can bring you value today.

T04 - The Power of Machines: Machine Learning and How it can Benefit Your Production and Improvement Goals

Discover what machine learning is and how to apply it to help drive operational performance. Learn how to apply AI applications successfully and how to develop specific applications like energy optimization, predictive maintenance and predictive KPIs.

T05 - Addressing Specific Manufacturing Challenges of All Sizes and Complexities with Scalable MES

Manufacturing execution system (MES) software can connect, manage, validate and optimize all aspects of production. Learn the various options for implementation from comprehensive that can help you meet a range of productivity, quality, compliance and cost saving goals to individual fit-for-purpose applications at a machine or work area level that can address specific challenges while building toward an eventual full-scale MES deployment.

T14 - Scalable Analytics: Providing Actionable Insights for Key Stakeholders at All Levels of Your Organization

Learn about FactoryTalk® Analytics and ThingWorx tools and how having the right information at the device, system or enterprise level can speed time to insight giving actionable information to the people who need it for critical improvements.

T15 - Get the Most Customer Value from Industrial Internet of Things with FactoryTalk® Analytics and ThingWorx

Industrial business can create scalable and secure solutions that provide high levels of ROI. Learn about the ThingWorx® Platform, a complete, end-to-end technology platform, with the functionality, flexibility and agility needed to develop, deploy and extend industrial Internet of Things applications.

TECHNICAL SESSIONS

T92 - Build the Factory of the Future with FactoryTalk® Analytics and ThingWorx

Connected operations are driven by actionable insights. Industrial organizations are tasked with turning raw, industrial Internet of Things data into proactive insights to tighten production schedules and maximize revenue. This session reviews how FactoryTalk® Analytics and ThingWorx synergize to enable advanced analytics capabilities and discusses key elements for applying the solution in the context of the factory.

T93 - Simplify Operations Management with ThingWorx, Vuforia and FactoryTalk® ProductionCentre® MES

The Connected Enterprise journey helps customers to capitalize on industrial Internet of Things and augmented reality to unlock value where our physical and digital worlds converge. This comprehensive and flexible offering aligns smart-factory technologies resulting in an unmatched, integrated information solution to help increase productivity, heighten plant efficiency, lower operational risk and improve system interoperability.

T94 - Learn How to Make Your Data Work for You

Analytics are inseparable from both Industry 4.0 and the Industrial Internet of Things (IIoT). Join subject matter experts from ThingWorx and Rockwell Automation as they share best practices and lessons learned to help you leverage the full value of your industrial Internet of Things data. This session also provides practical advice on how to ready your organization for the factory of the future.

T07 - Improve Visibility and Diagnostics of Your Network with Network Management Software

Learn how FactoryTalk® Network Manager™ (FTMN) software from Rockwell Automation® can help improve industrial network visibility and troubleshooting by providing intuitive network information. Designed for non-IT personnel, FTMN allows for discovery of plant floor assets, creation of "as-built" topology with live device-centric views, and alarm/event monitoring for historical analysis.

T16 - Resilient Network Protocols for High-availability Systems

High-availability control systems require networks that match them in reliability. With multiple choices available, this session will help you understand the commonly used options, with a focus on Parallel Redundancy Protocol (PRP).

T17 - Selecting the Right Stratix® Switch for Your Application

There's a lot to consider when choosing the appropriate industrial switch for your network. Fully managed, lightly managed, unmanaged - which is best for your application? Learn how to balance functionality and price for your application, and how industrial switches are used in Converged Plantwide Ethernet tested network architectures.

T22 - Kepware Technologies: Best Practices for Industrial Control System Security

Recent cybersecurity attacks have demonstrated that traditional methods of securing Industrial Control Systems (ICS) networks are no longer sufficient. We will introduce best practices for auditing your existing network operations, designing a network with best-in-class security, and deploying KEPServerEX to maximize ICS network security.

T53 - Design Considerations for Reliable EtherNet/IP Networking

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.

TECHNICAL SESSIONS

T54 - The Next Phase of IT/OT Integration - Extending IT Security to the Cell/Area Zone of plant Architecture

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.

T55 - Cisco: Network Visibility and Intent Based Security

This session will walk attendees through a layered approach to security, along with specific use cases for manufacturing. Understand the state of security in manufacturing today, and see how Cisco Identity Services Engine, Stealthwatch, and Rockwell Automation® FactoryTalk® Network Manager™ come together to provide critical network visibility to help simplify security in industrial settings. See how specific use case like secure remote access, micro-segmentation, and identity-based security policies can be easily implemented to improve a manufacturer's security posture.

T57 - ESTeem Wireless Modems: Deploying Wireless as an Essential Component of The Connected Enterprise

Wireless communications have become an essential component in The Connected Enterprise. Delivering an integrated, reliable and secure wireless solution for the IIoT infrastructure requires a carefully engineered solution, tailored to overcome the specific project requirements and environmental constraints.

T58 - Panduit: The Connected Cabinet

To fully use industrial Ethernet throughout the plant floor, control panel design strategies must support industrial Ethernet managed switches and networked devices. This session demonstrates how an Ethernet enabled connected panel allows the business to measure productivity in real-time, improve efficiencies, increase productivity and drive out costs.

T59 - Stratus Technologies, Inc.: Edge Computing For Industrial IoT

New industrial IoT solutions allow organizations to turn massive amounts of machine-based data into actionable intelligence. Capitalizing on this trend requires computing resources to be deployed closer to the sources of the data including machines such as pumps, turbines, sensors, etc. However, software and computing infrastructure located outside the datacenter can be a challenge to maintain. This session will describe how to design and deploy a zero-touch, edge computing infrastructure that delivers reliability, operational simplicity and a low total cost of ownership.

T39 - TCIP Security: Improving Control System Defense-in-Depth Security

Control system security is traditionally addressed by defense in depth architecture, with multiple layers of security. As attackers have become more sophisticated, CIP-connected devices must be able to defend themselves. This session explains how CIP Security helps enables devices to protect themselves from malicious attacks focusing on authenticity, integrity and confidentiality.

T26 - ThinManager® Overview

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. In addition, this session will introduce what's new in ThinManager®.