

Automation Fair 2008

A two-day event that is the educational highlight of the year. Attend in-depth tech sessions and hands-on labs. Visit more than 100 exhibits and displays. Learn best practices at specialized industry forums. Discover greater productivity. And, as always, it's all free! Interested? For details and registration, visit www.automationfair.com.

Automation Fair 2008 Program Overview

Gaylord Opryland Complex Nashville, Tennessee, USA



Nashville, Tennessee • November 19–20, 2008 • Wednesday, 8 AM – 5:30 PM and Thursday, 8 AM – 4 PM

Industry Forums

Forums give Automation Fair attendees an opportunity to hear experienced industry representatives tell about their experiences and what they have learned from applying Rockwell Automation technology to optimize operations, improve productivity, increase throughput and meet quality levels and regulatory restrictions. Attendees will get a chance to ask questions and discuss real-world problems with experienced professionals.

Automotive Forum

WEDNESDAY, NOVEMBER 19 / 9:00 AM
HERMITAGE C

Learn more about key factors changing this industry at an incredible pace – rising fuel prices, emerging markets, increasing regulatory compliance, global competition and consumer demand.

Consumer Packaged Goods Forum

WEDNESDAY, NOVEMBER 19 / 9:00 AM AND 1:00 PM
HERMITAGE A-B

Attend this Forum and learn more about global markets, consumer diversity and environmental sustainability – key factors driving the evolution of this industry.

Global Machine Builders Forum

THURSDAY, NOVEMBER 20 / 10:00 AM
CHEEKWOOD A-B-C

Leading manufacturers will discuss key business issues and ways to help deliver innovative solutions to customers.

Mining, Minerals & Cement Forum

WEDNESDAY, NOVEMBER 19 / 9:00 AM AND 1:00 PM
CHEEKWOOD G-H

Attend this Forum and address emerging trends that can help meet increasing demand while reducing manufacturing uncertainties and costs.

Oil & Gas Forum

WEDNESDAY, NOVEMBER 19 / 9:00 AM AND 1:00 PM
CHEEKWOOD A-B-C

Emerging automation trends and solutions can improve uptime and reliability. Attending this Forum will give insights to acquiring the right information.

Pulp & Paper Forum

WEDNESDAY, NOVEMBER 19 / 9:00 AM AND 1:00 PM
HERMITAGE D

This Forum will address issues that will help manage mills for greater profitability.

Tire & Rubber Forum

WEDNESDAY, NOVEMBER 19 / 1:00 PM
HERMITAGE C

This Forum will present real-world examples and concepts that are being used by manufacturers and suppliers to meet today's challenges.

Water Wastewater Forum

THURSDAY, NOVEMBER 20 / 9:00 AM
HERMITAGE A-B

At this Forum, government officials and successful customers will present industry concepts and explain how automation systems have reduced costs and upgraded infrastructure.



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November 19-20, 2008

**Rockwell
Automation**



**ON-LINE REGISTRATION
BEGINS AUGUST 1**

Contact your local Rockwell Automation sales office or authorized Allen-Bradley distributor for more information, or visit www.automationfair.com



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LISTEN.
THINK.
SOLVE.®

**Rockwell
Automation**

Technical Sessions, Hands-on Labs and Workshops offered at Automation Fair 2008

2-Hour Hands-on Labs

An ever-popular feature at Automation Fair, Hands-On Labs give attendees the opportunity to work directly with Rockwell Automation products. On-site registration for Hands-On Labs is located in Delta Lobby B. Registration is on a first-come, first-served basis following the time schedule shown below. Individuals who register for a lab receive an admission ticket and may attend industry forums, technical sessions or just explore the show floor until the lab begins.

Registration opens at:

- 7:30 AM for the 8:30 AM Labs
- 10 am for the 11 AM Labs
- 1 pm for the 2 PM Labs

- L1** Using Mechatronics to Simplify Machine Design and Improve Time-to-Market
- L2** Using Logix Kinematics for Integrated Control of High-Performance Robots
- L3** Dynamix Integrated Condition Monitoring – Leveraging Integrated Architecture
- L4** Understanding Advanced Programming Techniques in Logix
- L5** Explore Process Control Configuration and Advanced Fuzzy Design Concepts in Logix
- L6** Improved DeviceNet Implementation
- L7** FactoryTalk Historian Site Edition
- L8** PLC and Visualization Fundamentals with a ML1400/PanelView Component
- L9** A Day in the Life of Manufacturing With FactoryTalk AssetCentre
- L10** Program a CAT4 (SIL3) Rated Safety System Using a Compact Programmable Safety Controller
- L11** How to Quickly Integrate IntelliCENTER MCCs into RSLogix 5000 and FactoryTalk View SE Projects
- L12** Applying EtherNet/IP in Real-Time Manufacturing Applications
- L13** Experience Rapid Design with the Latest Safety Design Tools to Deploy Safe Devices on EtherNet/IP
- L14** Safe Speed Control – Enhancing Safe-Off and Safe-Speed Functionality
- L15** Runtime Changes and Advanced Editing with Logix
- L16** Introduction to Integrated Motion
- L17** FactoryTalk View SE Deployment
- L18** Introduction to Logix
- L19** HMI Operator Interface Development and Deployment
- L20** Leverage the Advantages of Logix and Premier Integration When Applying Motor Control Solutions
- L21** Basic Drive Programming

NASHVILLE This must-attend event is the largest single exposition of automation hardware, software, services and support in North America. For two instruction-packed days, you'll gain valuable insight from your choice of in-depth technical sessions, workshops, hands-on labs and specialized industry forums. For detailed class descriptions and an up-to-date list of exhibitors, go to www.automationfair.com.

1-Hour Technical Sessions

Presented once each day. No registration required, all sessions are first-come, first-served.

9 AM	T1 Applying Compressed Air Management Solutions to Pneumatics	T7 Plantwide Control with One Architecture	T13 Benefits of Endress+Hauser Integration with the Rockwell Automation ControlLogix Platform	T19 Reducing Energy Costs with Energy Information and Variable Frequency Drives	T25 Intelligent Infrastructure Solutions	T31 Solutions for FactoryTalk View	T37 Reduce Time-to-Market by Leveraging Add-On-Instructions	T43 PLC-5 Migration Solutions	T49 MES to ERP with FactoryTalk Integrator
10 AM	T2 Whether Weather is the Cause of Downtime	T8 Choose the Right Components for Greatest Accuracy	T14 Improving Track and Trace Capabilities in Industrial Environments Using RFID Technology	T20 Basics in Drive Physics	T26 How to Assure a Reliable Ethernet Network	T32 Control Panel Layout: Enclosure Cost Savings and Improved Performance	T38 High Resistance Grounding Application Considerations	T44 Converting Your Foxboro I/A DCS to Integrated Architecture	T50 Practical Applications for OEMs: Secure Remote Connectivity to Automation Networks
11 AM	T3 Applying Machine Vision to Manufacturing	T9 Smart Process Instrument Connectivity to the Integrated Architecture	T15 Managing Automation on the Shop Floor, on the Dock, in the Field and Anywhere in Between	T21 New Advancements in Medium Voltage Motor Control up to 8,000 HP	T27 Best Practices for Applying EtherNet/IP	T33 Understanding Delmia Integration with RSLogix 5000	T39 Using Logix Kinematics to Control High Performance Robots	T45 ControlLogix Migration and Connectivity Tools	T51 Current Control Panel Designs, Standards and Products that Comply with UL 508A and the National Electrical Code
1 PM	T4 Applying Plant-Wide Industrial Wireless Communications	T10 12 Steps to High Availability for a FOUNDATION Fieldbus Network	T16 An Integrated Solution for Industrial Safety	T22 OEE Case Study Using FactoryTalk Metrics and Historian Classic	T28 Creating "IT Ready" Industrial Networks	T34 Are You Taking Full Advantage of Pneumatic Valve Technology?	T40 Decrease Time-to-Market with Rockwell Automation Linear Motion Solutions	T46 Drive and Drive Systems Migration Solutions	T52 Applying Arc-Resistant Equipment to Meet Arc Flash Standards (NFPA-70E)
2 PM	T5 From the Field: Wireless Issues and Solutions	T11 Seven Habits of Highly Responsive Batch Manufacturing	T17 Choosing the Right Level of Process Safety Solution	T23 Using Excel in the Automated Rockwell Automation World	T29 Manufacturing 2.0: Leverage Information and Network Convergence	T35 Synchronizing the Electrical Design and PLC Programming Environment	T41 Strategies to Optimize MRO Inventory and Reduce Costs	T47 Wireless as a Migration Enabler to the Integrated Architecture	T53 Best Practices Integrating Electrical CAD with Digital Plant and Machine Design
3 PM	T6 Future of Wireless Networking	T12 Complete Process Optimization with Rockwell Automation	T18 Integrated Condition Monitoring for "Operations Driven Reliability"	T24 Real-Time Exception Reporting and Framing with FactoryTalk Historian SE	T30 Best Practices for Monitoring Harmonics in Electrical Control Systems	T36 Answering Today's Control Challenges with Logix-Scalable Solutions	T42 A New Level of Predictive Maintenance Information for Integrated Architecture Users	T48 Speed Time-to-Market with Toolkits for System Design and Programming	T54 Filling the Technical Skills Gap

Lunch is free to all Automation Fair 2008 attendees . . . served 11AM to 2PM on the exhibit floor

- Case Study
- Condition Monitoring
- Control Design
- Data Management
- Intelligent Motor Control
- Maintenance
- Management
- Migration
- Motion
- Networks
- Process Control
- RFID
- Safety
- Standards
- Sustainability
- Vision
- Wireless

2-Hour Workshops

In-depth workshops will be offered once each day of Automation Fair. These 2-hour sessions will include demonstrations and presentations by leading industry experts. All workshops are first-come, first served — just show up and sit down. No additional registration is required.

- W1** Machine Safety Risk Assessment
Wednesday, November 19 and Thursday, November 20
- W2** Optimizing Control System Performance
Wednesday, November 19 and Thursday, November 20
- W3** Operational Historians for Discrete Industries
Wednesday, November 19 and Thursday, November 20
- W4** Designing Ethernet Networks Using Reference Architectures
Wednesday, November 19 and Thursday, November 20
- W5** Error-Proofing with Advance Sensors
Wednesday, November 19 and Thursday, November 20
- W6** System Design for the Control of Electrical Noise
Wednesday, November 19 and Thursday, November 20
- W7** Review of Power Control Harmonics, Power factor, Distortion & Displacement
Wednesday, November 19 and Thursday, November 20
- W8** Safety System Solution Design – It's Not Black Magic and You Can Do it
Wednesday, November 19 and Thursday, November 20
- W9** Design Your Networks for Optimal Performance and Protect Your Automation Assets from Security Threats
Wednesday, November 19 and Thursday, November 20