Process Automation Exchange

Tuesday, 2 October

See information box to the lower left for Standards Committee Meetings taking place on Sunday, 30 September and Monday, 1 October.

Standards Committee Meeting: ISA75 Control Valve Standards

Standards Committee Meeting: ISA101 8:00 a.m.–5:15 p.m. *(see * on Monday for description)*

Control Systems User Forums
Share experiences and lessons learned with other users of industrial automation solutions in an uncensored, unscripted setting.

Regulatory Control Room 207	Fundamentals of Fluid Flow Measurement Room 208	Level Applications Room 205

Conference Networking Break, Room 300

Keynote Presentation (Room 301):
Assuring Safety and Security Performance—Establishing the Right Culture
J.S. (Steve) Arendt, Vice-President ABSG Consulting Inc.—Organizational Performance Assurance Center

Conference Lunch/ Open Time Exhibit Hall

Digital Oil Patch—Integrating the Sensor and the Business System Room 207	Learning the Languages of Control: IEC-61131 & IEC-61499 Room 208
Fieldbus System Diagnostics Room 207	Model Predictive Control Room 208

Briefing: A Guide to the Automation Body of Knowledge

Supplier Briefing: Using Tunnelling Technology to Secure OPC Data

Briefing: Control System Documentation: Applying Symbols and Identification

Supplier Briefing: Leveraging Windows Vista for HMI/SCADA

Briefing: Process Control Loop Simulation Made Easy

Supplier Briefing: Using Infrared Cameras for Automated Process Control

Briefing: Consumer Guides to Practical Process Automation Decisions

Briefing: A Tutorial on Mystery Technology: Fuzzy Logic

Standards Committee Meeting: ISA96 Valve Actuator Committee

Standards Committee Meeting: ISA75 Control Valve Standards

Standards Committee Meeting: ISA98, Personnel Certification

Exhibition
1:00 p.m.–8:00 p.m.

Networking Reception
5:30–8:00 p.m.

NEW!

Wednesday, 3 October

Conference Networking Break, Room 300

Standards Committee Meeting: ISA101, Human-Machine Interfaces*

Standards Committee Meeting: ISA96, Vavle Actuator Committee

Rimbach Lecture/Keynote Presentation (Room 301):
Repairing the Educational System to Meet Industry's Innovation Demands
Dr. James Truchard, President and CEO, National Instruments

Process Engineering & Design Room 207	From WBF: Integrating Automation in the Business Room 208
From WBF: Marrying ISA88 and ISA95 Room 207	Novel Controller Tuning Techniques Room 208
Advanced Regulatory Control Room 207	Fluid Dynamics and Pipe Flow Measurements Room 208

Conference Lunch/ Open Time Exhibit Hall

Conference Networking Break, Room 300

Briefing: Instrumentation Basics

Supplier Briefing: Laser-Based Gas Analysis Brings Simplicity to Difficult On-Line Measurement

Briefing: Software for Automation: Architecture, Integration, and Security

Supplier Briefing: ClearSCADA—A Revolution in Modern SCADA Hosts

Briefing: Regulatory Control: System Design and Application

Supplier Briefing: Kontron Provides Dual-Core COM Express-based HMI Systems for Today's Embedded Real-Time Applications

Briefing: Goin' Fishin'—Dick Morley's Perspective on a Typical American Company

Briefing: Model Validation—A Tutorial

Briefing: Troubleshooting: A Technician's Guide

Briefing: New Directions in Bio-process Modeling and Control

Briefing: Use of Automated Steady State Indentification to Trigger Process Events and Stages

Briefing: Standardizing Human-Machine Interfaces—An Update on ISA101

Exhibition
10:00 a.m.–5:30 p.m.

Thursday, 4 October

Conference Networking Break, Room 300

Standards Committee Meeting: ISA96, Vavle Actuators

Keynote Presentation (Room 301):
NASA's Project Constellation—Essential Building Block for Exploration
Donald W. Monell, NASA

Smart Systems and Sensors for Predictive Main-tenance Room 207	Process Optimization and Training Room 208
Preparing for Advanced Control Room 207	Advanced Flow Appli-cations Room 208

Supplier Briefing: Wireless Humidity, Temperature, and Other Parameter Sensing

Briefing: BioChemical Measurement and Control

Supplier Briefing: Flow Meters from GE Sensing

Briefing: What's Next with ISA Specification Forms and Symbols—A Dialog with Users of ISA5 and ISA20 Standards

Conference Lunch/ Open Time Exhibit Hall

Exhibition
10:00 a.m.–3:30 p.m.

The Process Automation Exchange is supported by many practical solutions at the exhibition, including the following specialty pavilions: **Environmental**—showcasing solutions for the environmental side of control, **Software Solutions**—helping operations run with security, reliability, and efficiency, Industrial **Communications**—providing the central hub for data communications and networking, **Sensors Fair**—showcasing sensors, transducers, detectors, and related technologies, **Bus Station**—featuring the latest information on industrial bus and field communications in a new, exciting way.

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Sunday, 30 September

1:30 p.m.–5:00 p.m.
Standards Committee Meeting: ISA96, Valve Actuator Committee

Monday, 1 October

8:00 a.m.–5:00 p.m.
Standards Committee Meeting: ISA75, Control Valve Standar

9:00 a.m.–Noon
Standards Committee Meeting: ISA5, Documentation of Measurement and Control Instruments and Systems

1:00 p.m.–3:15 p.m.
Standards Committee Meeting: ISA20, Instrument Specificati Forms