2016 Water / Wastewater and Automatic Controls Symposium

August 2-4, 2016 • Wyndham Lake Buena Vista Resort • Orlando, Florida, USA

Presented by the ISA Water / Wastewater Industries Division - *www.isawwsymposium.com*

Technical Co-Sponsors: WEF Automation and Info Tech Committee, Florida AWWA Section, Florida Water Environment Association, ISA Tampa Bay Section, and Instrumentation Testing Association

Conference Preview

Setting the Standard for Automation™

About the Symposium

Presented by the ISA Water and Wastewater Industries Division, in collaboration with the Florida AWWA Section, the WEF Automation and Info Tech Committee, the Florida Water Environment Association, and the Instrumentation Testing Association, the WWAC Symposium helps professionals in the water and wastewater industries understand how instrumentation, SCADA (supervisory control and data acquisition), and automatic control applications are vital to the treatment and distribution of water; the collection and treatment of wastewater; and the management of stormwater. The symposium also provides an excellent opportunity to gain valuable technical information, network with other professionals, professional development, and continuing education credits (CEUs and PDHs).

This 3-day symposium features 2 full days of presentations, a tour of a local water/wastewater facility, a general reception, networking events, a poster session, and a supplier showcase.

- 2 full days of speakers/presentations
- Track 1 – Instrumentation, System Integration, Automation, Plant Case Studies, New Technologies, Process Optimization
- Track 2 – SCADA Workplace Integration, HMI, Human Factors, Alarm Management
- Two Optional ISA Training Courses before the symposium
- Plant Tour of a local Water/Wastewater Facility
- Trade Show, Reception & Networking Event
- Affordable Professional Development for Plant Operations/ Maintenance Staff, Plant Managers, Plant Designers, Engineers, System Integrators
- CEUs – Continuing Education Units
- PDHs – Professional Development Hours

Attendee Profile

The symposium is targeted at anyone involved with automation, instrumentation, and/or control systems in the water/wastewater sectors. Attendees typically range from plant operators, maintenance, and technical personnel to engineers, programmers and system integrators.

Meet and network with professionals who are responsible for the automation, instrumentation and operating aspects of water and wastewater facilities across North America. According to a recent US EPA study there are over 16,000 publicly-owned water plants across the USA, and another 21,000+ wastewater treatment plants throughout the country.

This knowledge-driven event focuses on bringing together individuals who are looking for technical solutions to their water and wastewater challenges. They are looking for products, services, and partners they can trust to make their jobs easier.

Schedule of Events
Monday - Tuesday, August 1-2, 2016
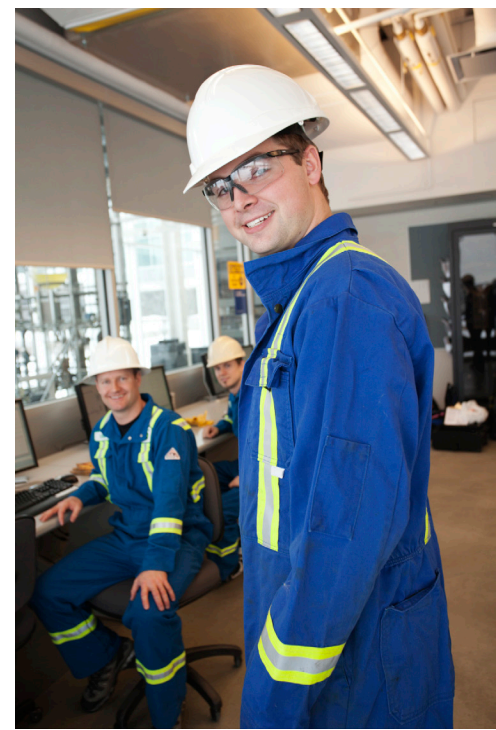- Optional training courses
- Symposium Registration
- Local Water/Wastewater Plant Tour (late afternoon Tuesday)

Wednesday, August 3, 2016
- Keynote Speaker
- Invited Speaker
- Presentations and Papers
- Light Breakfast, Coffee Breaks and Buffet Lunch Provided
- Supplier Showcase
- Evening Reception

Thursday, August 4, 2016
- Invited Speakers
- Panel Session
- Presentations and Papers
- Light Breakfast, Coffee Breaks and Buffet Lunch Provided
- Supplier Showcase

Technical Program

This year's symposium has a special focus on how automation will be involved and integrated into many of our day-to-day activities. The two day technical program will include a keynote address, a special welcome from the director of the ISA water/wastewater division, and two invited speakers. Guest speakers from the AWWA and WEF will also speak about the current advances in using instrumentation and SCADA in their sectors along with a panel session on what consumers want from manufacturers.

Local Plant Tour

Attendees will have the option of attending a tour of a local treatment facility on the late afternoon of Tuesday August 2, 2016. The tour is free to all registered symposium attendees. Complimentary bus transportation from the hotel to/from the tour site is included. Invitations to RSVP for the bus tour will be sent to all registered attendees approximately 3 weeks prior to the symposium.

Optional Short Courses

Using the ANSI/ISA-99 Standard to Secure Your Control System / In-Depth SCADA Cyber Security (IC32)

Date: Mon. - Tues., August 1 - 2, 2016
Length: 2 days
CEU Credits: 1.4
Cost: $1585 ($1265 for ISA members)

This two day intensive course provides an overview of the ANSI/ISA-99 Security for Industrial Automation and Control Systems family of standards and how these can be applied in a typical water or wastewater district. You will be introduced to the terminology, concepts, and models of ANSI/ISA-99 Cyber Security. As well, the elements of creating a Cyber Security management system will be explained along with how these should be applied to commonly used SCADA, DCS and Automation Systems in the water and wastewater sectors.

Applications of Industrial Wireless Systems (SP25C)

Date: Tues., August 2, 2016
Length: 1 day
CEU Credits: 0.7
Cost: $720 ($575 for ISA members)

This course concentrates on industrial wireless applications. Using the broad range of wireless applications-such as video monitoring and security systems, asset tracking (which may rely on a multitude of wireless technologies), mobile operator needs (PDAs, tablet PCs), remote tank farm monitoring, wireless SCADA systems, Voice over wireless LAN- the multitude of operational considerations associated with industrial wireless field transmitter for monitoring, and even control systems are examined. The logical intersections with the plant's IT department are addressed.

Exhibitor Opportunities

Exhibitor tables are priced at $875 each which includes:
• one six foot table with skirting, 2 chairs, duplex electrical outlet
• two vendor passes, which include ID badges and full conference access
• additional vendor passes can be purchased for $200/each
• breakfasts, coffee breaks, and lunches on Aug. 3 & 4
• admission to the general reception with cash bar on the evening of Aug. 3rd
• exhibit room hours: Aug. 3 & 4 (8:00am-5:00pm), and during Aug. 3rd evening reception
• exhibit setup: Aug. 2 (6:00pm-9:00pm); exhibit take down Aug. 4 (5:00pm-8:00pm)

Why you should attend

Opportunity to learn from others and "talk shop" with people who understand the challenges of your sector

Cost effective professional development and continuing education.

Keep your skills current.

Get to compare experiences and lessons learned

Learn about new technologies, products and services

Be actively involved in your professional development

Establish contacts in the industry

Share ideas and experiences with others in the sector

Learn Something

Have Fun

Benefits for Water Utilities

Inexpensive profressional development

2.5 days of training for $425

Group discounts available

Opportunity for staff to learn about new ideas and industry innovations

Benefits for Engineering Firms

Exposure to new ideas

Learn from plant case studies

Talk to operations and maintenance professionals in an informal environment

Learn about new products and techniques

Registration & Fees

Full Symposium
List Price -	$425
ISA Members -	$325
AWWA & FSAWWA Members -	$375
WEF, ITA & FWEA Members	$375
Students -	$125
Authors / Speakers -	$125

Optional Cyber Security Course
List Price -	$1585
ISA Members -	$1265

Optional Wireless Systems Course
List Price -	$720
ISA Members -	$575

The symposium hotel rate is $89/night

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Founded in 1945, the International Society of Automation is a leading, global, nonprofit organization that is setting the standard for automation by helping over 30,000 worldwide members and other professionals solve difficult technical problems, while enhancing their leadership and personal career capabilities. Based in Research Triangle Park, North Carolina, ISA develops standards; certifies industry professionals; provides education and training; publishes books and technical articles; and hosts conferences and exhibitions for automation professionals. ISA is the founding sponsor of The Automation Federation.

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