



2013 Water / Wastewater and Automatic Controls Symposium

August 6-8, 2013.....Crowne Plaza Orlando-Universal Hotel.....Orlando, Florida, USA

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

Technical Co-Sponsors: WEF Automation and Info Tech Committee and the Florida AWWA Section



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 and the WEF Automation and Info Tech Committee, 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, networking, professional development, and continuing education credits (CEUs and PDHs).

This 3-day symposium is focused on the challenges associated with automation and instrumentation in the water and wastewater sectors. It features 2 full days of presentations on each day, 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 – Smart Water, SCADA, HMI, Human Factors, Alarm Management
- 1 full-day ISA Training Course on Flowmeter Selection and Sizing
- 2 day ISA Training Course on SCADA Cyber Security & Using ANSI/ISA-99
- 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. The symposium also provides a niche venue where instrumentation, SCADA, and automation professionals can come together to network and share knowledge in a collaborative environment.

Schedule of Events

Monday - Tuesday, August 5 - 6, 2013

- Optional training courses
- Symposium Registration
- Local Water/Wastewater Plant Tour (late afternoon Tuesday)

Wednesday, August 7, 2013

- Keynote Speaker
- Presentations and Papers
- Light Breakfast, Coffee Breaks and Buffet Lunch Provided
- Supplier Showcase & Vendor Presentations
- Evening Reception

Thursday, August 8, 2013

- Invited Speaker
- Presentations and Papers
- Light Breakfast, Coffee Breaks and Buffet Lunch Provided
- Poster Session
- Supplier Showcase



Technical Program

This year's symposium has a special focus on "smart water" and how SCADA can be used as an effective tool to optimize operations, maintenance and asset planning. The two day technical program will include a keynote address, a special welcome from the incoming director of the ISA water/wastewater division, and two invited speakers on cyber security and effective automation project management techniques. Guest speakers from the AWWA and WEF will also speak about the current advances in using instrumentation and SCADA in their sectors.

Interested in speaking at this year's symposium? Authors can present a 30-minute talk, 6-12 page paper, or a large format poster. The Call for Abstracts is now available at www.isawwsymposium.com/call-for-abstracts/. Abstracts are due January 31, 2013.

Local Plant Tour

Attendees will have the option of attending a tour of a local water treatment facility on the late afternoon of Tuesday August 6, 2013. The tour is free to all registered symposium attendees. Complimentary bus transportation from the hotel to/from the tour site is included.

Optional Short Courses

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

Date: Mon. - Tues. August 5 - 6, 2013

Instructor: Jon Cusimano, CFSE, CISSP

Length: 2 days

CEU Credits: 1.4

Cost: \$1395 (\$1115 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 CyberSecurity. As well, the elements of creating a CyberSecurity 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.

Selection and Sizing of Flowmeters / Industrial Flow Measurement Overview (EI10C)

Date: Tues. August 6, 2013

Instructor: Jerry Gerlich, Senior ISA Member

Length: 1 day

CEU Credits: 0.7

Cost: \$630 (\$495 for ISA members)

Applications of modern flow measurement systems are presented. Flowmeter accuracy, performance, sizing, specification, selection, and installation considerations are covered. Focus is on productivity improvement, cost efficiencies of measurement and control, and whether, when, and how to use the technologies looking at measuring flow, the effect of fluid properties and engineering practices required to optimize flowmeter performance. The course includes practical examples of flowmeter selection and problem solutions, with emphasis on basic principles and key technologies.

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 professional 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 & FWEA Members -	\$375
Students -	\$125
Authors / Speakers -	\$125

Optional Cyber Security Course

List Price -	\$1395
ISA Members -	\$1115

Optional Flowmeter Course

List Price -	\$630
ISA Members -	\$495

The symposium hotel rate is \$92/night

2013 Water / Wastewater and Automatic Controls Symposium

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.



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Note: See symposium website for exhibitor & sponsorship opportunities



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