



Water/Wastewater and Automatic Controls

Symposium2017

8-10 August
Wyndham Lake Buena Vista Resort
Orlando, Florida USA

Conference Preview

www.isawwsymposium.com

Presented by:



**Water & Wastewater
Industries**
Division

Technical Co-sponsors:



**Water Environment
Federation**
the water quality people®



American Water Works Association
FloridaSection



Tampa Bay
Section

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About the Symposium

Presented by the ISA Water and Wastewater Industries Division, in collaboration with WEF Automation and Info Tech Committee, the Florida AWWA Section, Florida Water Environment Association, and Instrumentation Testing Association, the WWAC symposium helps professionals in the water and wastewater sectors 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).

The 2017 ISA Water/Wastewater Symposium will be held at Wyndham Lake Buena Vista *Disney Springs*® Resort Area, near Orlando, Florida. This modern hotel offers luxury accommodations and is located right on the Walt Disney® Resort property. 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 (two speaking tracks), 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, Automation, System Integration, Plant Case Studies, New Technologies, Process Optimization**
- **Track 2 – SCADA Workplace Integration, HMI, Human Factors, Alarm Management, Workshop**
- **Two Optional ISA Training Courses**
- **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 United States.

This symposium 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 7-8, 2017

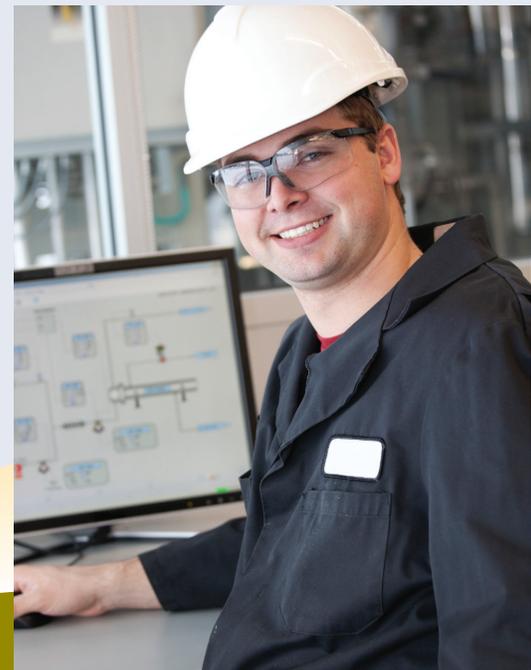
- Optional Full-Day Training Courses
- Symposium Registration
- Local Water/Wastewater Plant Tour (late afternoon Tuesday)

Wednesday, August 9, 2017

- Keynote and Invited Speakers
- Presentations, Papers, and Workshops
- Light Breakfast, Coffee Breaks, and Lunch Provided
- Supplier Showcase
- Evening Reception

Thursday, August 10, 2017

- Invited Speakers
- Presentations, Papers, Forum Session and Poster Session
- Light Breakfast, Coffee Breaks, and 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 the latest trends in the industry. Symposium attendees will receive 2.0 CEU credits.

Local Plant Tour

Attendees will have the option of attending a tour of a local treatment facility on the late afternoon of Tuesday August 8, 2017. 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

IACS Cybersecurity Operations & Maintenance: Secure Your Control System (IC37)

Date: Mon. - Tues., August 7 - 8, 2017

Length: 2 days

CEU Credits: 1.4

Cost: \$2500 (\$2000 for ISA members)

Instructor: Bryan Singer, CISM, CISSP

This two day intensive course focuses on the activities associated with the ongoing operations and maintenance of IACS cybersecurity. This course will provide students with the information and skills to detect and troubleshoot potential cybersecurity events as well as the skills to maintain the security level of an operating system throughout the lifecycle despite the challenges of an ever changing threat environment.

Introduction to the Management of Alarm Systems (IC39C)

Date: Mon., August 7, 2017

Length: 1 day

CEU Credits: 0.7

Cost: \$815 (\$650 for ISA members)

Instructor: Nick Sands, PE, ISA Fellow

This course focuses on the key activities of the alarm management lifecycle provided in the ANSI / ISA 18.2 standard, Management of Alarm Systems for the Process Industries. The course discusses how alarm management techniques can be used to significantly reduce the number of nuisance alarms that operators have to address. Nick is the co-chair of the ISA 18 committee.

Exhibitor Opportunities

Exhibitor tables are priced at \$925 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. 9 & 10
- admission to the general reception with cash bar on the evening of Aug. 9th
- exhibit room hours: Aug. 9 & 10 (8:00am-5:00pm), and during Aug. 9th evening reception
- exhibit setup: Aug. 8 (1:00pm-9:00pm); exhibit take down Aug. 10 (5:00pm-8:00pm)

Why You Should Attend

- Opportunity to learn from others and "talk shop" with people who understand your challenges
- Cost effective professional development and continuing education
- Keep your skills current
- Get to compare experiences / 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 while having fun

Benefits for Water Utilities

- Inexpensive professional development
- Earn CEUs / PDHs for license renewals
- 2.5 days of training for \$450
- 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 and Fees

Full Symposium

List Price	\$450
ISA Members	\$350
AWWA and FSAWWA Members	\$400
WEF, ITA, and FWEA Members	\$400
Students	\$150
Authors and Speakers	\$150

Optional Cybersecurity O&M Course

List Price	\$2500
ISA Members	\$2000

Optional Alarm Management Course

List Price	\$815
ISA Members	\$650



2017 ISA 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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