

# 2015 ISA Water/Wastewater and Automatic Controls Symposium



August 4 to 6, 2015.....Wyndham Lake Buena Vista Resort.....Lake Buena Vista, Florida, USA  
Presented by the ISA Water/Wastewater Industries Division – [www.isawwsymposium.com](http://www.isawwsymposium.com)  
Technical co-sponsors: Florida AWWA Section, the WEF Automation and Info Tech Committee ,  
Florida Water Environment Association, Instrumentation Testing Association, and ISA Tampa Bay Section

## Call for Abstracts

Presented by the ISA Water/Wastewater Industries Division, in collaboration with the Florida Section of the AWWA (FSAWWA), the Florida Water Environment Association (FWEA), the WEF Automation and Info Tech Committee, and the Instrumentation Testing Association (ITA), 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, and the collection and treatment of wastewater. 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 sector. It 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. The first day begins with registration, an optional full-day short course on a current SCADA/automation related topic, and a plant tour. The second day kicks off with a keynote speaker, followed by presentations on general topics such as instrumentation; system integration, automation, plant case studies, new technologies and process optimization/automation. The third day starts with an invited speaker, guest speakers and is focused on the Future of Automation with topics geared towards SCADA, PLC, HMI, Expert Systems, Data Modelling, and Alarm Management. The Tuesday-Thursday timeslot has been selected so that families can easily take their kids to Disney World, both during and before/after the symposium. Proceedings will be published and made available to water/wastewater division members, and papers will be considered for publication in the ISA's technical journal, ISA Transactions ([www.isa.org/isatrans/](http://www.isa.org/isatrans/)).

### Guidelines for Submission

- All authors/speakers must pay the speaker registration fee (\$125)
  - The speaker registration fee is a discounted conference rate (regular \$425)
- 250 word (max 300 words) abstract in US English shall be submitted electronically
- Authors must indicate what format they wish to present in:
  - 30 minute presentation (no paper)
  - 6-12 page paper and 30-minute presentation
  - Large format 3 foot wide x 4 foot high poster
- Final presentations must be on the supplied symposium PowerPoint template
- Final papers must be submitted in MS Word using supplied symposium template
- Papers/presentations/posters accepted for presentation and/or publication will require completion of ISA Rights and Responsibilities form
- Student papers and posters are welcome
- The lead author is the main contact

### Submissions

Submit your abstract via email in MS Word format to:  
[abstracts@isawwsymposium.com](mailto:abstracts@isawwsymposium.com) AND [provenzano2@comcast.net](mailto:provenzano2@comcast.net)

### Deadlines

Abstracts Due ..... December 15, 2014  
Notification of Acceptance ..... January 16, 2015  
First Draft Due ..... March 9, 2015  
Final Draft Due..... May 18, 2015

A full author information package, along with sample abstracts, templates and a list of topic ideas can be found at [www.isawwsymposium.com](http://www.isawwsymposium.com)

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### Topics include but are not limited to:

#### Speaking Track 1 – General Topics

- Instrumentation: New Technologies and Applications**
- SCADA Security, ISA99, CSET, and Mitigating Risks**
- Control System Redundancy and Robust Design**
- Wireless Technologies**
- System Integration**
- Automation Techniques for Existing Plants**
- New Control System Technologies**
- Plant Case Studies**
  - Plant Upgrades & New Facilities
  - Control System Upgrades & Replacements
  - Lessons Learned

#### **Process Optimization**

- Automated Control Techniques**
- Project Management Lessons for Integration Projects**
- Specific Water and Wastewater Challenges**

#### Speaking Track 2 – Future of Automation

- SCADA – Supervisory Control and Data Acquisition**
- Modelling Non-revenue water & collection networks**
- Energy use modelling and Optimization with SCADA**
- Capturing and Evaluating Stakeholder Needs**
- HMI Design for Operator Effectiveness**
- Effective Use of Multiple HMI Screens**
- Human Factors and Control Room Design**
- Intelligent & Expert Systems**
- Alarm Management & Alarm Rationalization**
- Implementing of ISA, EEMUA, WEF & AWWA Standards**
- Call-Out Alarm Rationalization and Techniques**
- Data Reporting & Presentation Techniques / Strategies**
- Data Management, Historians, and Data Retrieval**
- SCADA and the Current Regulatory Environment**
- Mobile HMIs, Tablets, Remote Access, and Dashboards**