2012 ISA Water/Wastewater and Automatic Controls Symposium

Holiday Inn Castle Resort……Orlando, Florida, USA……**Aug 7-9, 2012**
Sponsored by the ISA Water/Wastewater Industries Division – *www.isawwsymposium.com*

Call for Abstracts

Sponsored by the Water and Wastewater Division of ISA, the WWAC Symposium helps professionals in the water and wastewater industry understand how automatic control applications affect processing and distribution of water treatment and provide an outstanding opportunity to gain valuable technical information and training.

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 (two speaking tracks), 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 symposium registration, a plant tour, and an optional full-day short course on SCADA/automation system security. 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 on effective HMI design and alarm management, and is focused on leveraging automation technology with topics geared towards SCADA, HMI, Human Factors, 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/).

Guidelines for Submission

- All authors/speakers must pay the speaker registration fee ($100)
  - The speaker registration fee is a discounted conference rate (regular $425)
- 250 word (max 300 words) abstract in English shall be submitted electronically
- Authors must indicate what format they wish to present in:
  - 35 minute presentation (no paper)
  - 6-12 page paper and 35-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 (preferably using supplied template)
- Papers/presentations/posters accepted for publication and presentation 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 **AND** provenzano2@comcast.net

Deadlines

Abstracts Due ..... Mar 7, 2012
Notification of Acceptance ..... Mar 20, 2012
First Draft..... Apr 25, 2012
Final Draft (Papers)..... Jun 22, 2012
Final Draft (Posters)..... Jun 22, 2012
Final Draft (PowerPoint) ..... Jun 29, 2012

A full author information package, along with sample abstracts, templates and a list of topic ideas can be found at www.isawwsymposium.com

For additional information, contact:

Graham Nasby
General Symposium Chair
+ 1 519-763-7774
graham.nasby@eramosa.com

Joe Provenzano
Symposium Program Chair
+1 203-560-1816
provenzano2@comcast.net

Rodney Jones
ISA Staff
+1 919-990-9418
rjones@isa.org

Topics include but are not limited to:

Speaking Track 1 – General Topics

Instrumentation: New Technologies and Applications
SCADA Security, ISA99, and Mitigating Risks
Control System Redundancy and Robust Design
Wireless Technologies
System Integration
Automation Techniques for Existing Plants
New Control System Technologies
Project Management for Integration Projects
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 – SCADA, HMI, Alarm Management

SCADA – Supervisory Control and Data Acquisition
SCADA Network Design and Redundancy Options
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
Implementation of ISA18.2 and EEMUA Standards
Alarm Identification and Rationalization
Techniques to Reduce Nuisance Alarms
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