

## 2011 WWAC Symposium Report

The ISA Water/Wastewater Industry Division hosted its 6th Annual Water/Wastewater and Automated Controls Symposium at the Chase Park Plaza Hotel in St. Louis, Missouri, USA on June 22-23, 2011.

The two day symposium featured eight speakers from across North America, a keynote address, a training course on alarm management, and a tour of one of St. Louis's largest wastewater treatment plants. A post-symposium reception also went into the wee hours of the morning on the last day.

The symposium began with a day-long training course on Alarm Management taught by industry veteran Bill Hollifield. Having the focused short-course has long been a feature of the WWAC symposium. This year's course covered ANSI/ISA 18.2 (2009) *Management of Alarm Systems for the Process Industries*, and how it can be used as an effective tool for improving alarm performance at our plants. The day concluded with a tour of the Bissell Point Treatment Plant.

On the second day, the keynote talk was delivered by Mr. Jeff Theerman, Executive Director of the Metropolitan St. Louis Sewer District (MSD). Entitled "*Technology and our Future in the Water Sector*" Mr. Theerman's talk focused on trends in our sector and how new technologies and equipment, especially in terms of automation/instrumentation, will be the key to securing our society's future water security.

Speakers at the symposium presented a wide variety of topics on subjects ranging from case studies about system upgrades and commissioning strategies to new software/instrumentation technologies. We also had several talks about control system standardization and how to effectively manage the processes of construction and plant optimization. Turnout was good with all seats in the room being filled by attendees.

The day concluded with a reception where our attendees got to meet with each other informally and share their collective knowledge / experience in a social setting.

A bit thank you to the symposium organizing committee, ISA staff, our vendor partners, sponsors and the local St. Louis ISA section for a job well done!



Photo from auditorium of the WWAC Symposium at the Chase Park Plaza Hotel in St. Louis, Missouri, USA



ISA Secretary/President-elect Bob Lindeman gave the opening remarks at the WWAC Symposium



Keynote speaker Jeff Theerman receiving a thank you gift from WWID member Graham Nasby



Speaker Cameron Kamrani from Kamrani Engineering giving his talk on "SCADA: An Integrative Approach"



Speaker Scott Holzborn from Siemens presenting a talk on the application and use of Magnetic flowmeters

## 2011 Symposium Award Winners

We are pleased to announce the following award winners from the 2011 WWAC Symposium:

### ***Best Symposium Presentation***

In recognition of the best symposium presentation

- 1st Prize: Carmon Kamrani, Kamrani Engineering Inc.  
"SCADA: An Integrative Approach"
- 2nd Prize: Scott Holzborn, Siemens Americas  
"Leveraging Electronic Flowmeters to Improve Accuracy and Value in Water Management"

### ***Best Symposium Paper***

In recognition of the best technical paper

- 1<sup>st</sup> Prize: Graham Nasby, Eramosa Engineering Inc., and Matthew Phillips, City of Guelph Water Services Dept.  
"SCADA Standardization: Modernization of a Municipal Waterworks with SCADA Standardization: Past, Present and Planning for the Future"
- 2<sup>nd</sup> Prize: Richard Birdsell, Orange County Sanitation District  
Mike Puccio, Orange County Sanitation District  
"Establishing a Successful Water/Wastewater Commissioning Program"

Each year at the WWAC symposium, prizes are given out for the best presentation and best paper. During the call for papers process, speakers are given the option of presenting a 35 minute PowerPoint presentation or a combination of a PowerPoint presentation along with a 8-12 page technical paper. The awards are structured that all speakers are eligible for the Best Symposium Presentation Award. The Best Symposium Paper is selected from those speakers who also submitted papers. The awards are decided by the symposium Program Committee at the conclusion of the symposium. Please congratulate this year's symposium award winners!



Our keynote speaker Jeff Theerman, along with longtime WWID members David Hobart and Wally Ingham

## 2011 Symposium Plant Tour

As part of the 2011 WWAC Symposium, the Metropolitan St. Louis Sewer District (MSD) organized a tour of their Bissell Point Water Treatment Plant. Special thanks to Mr. Jeff Theerman, Executive Director of the MSD, for making the tour possible for us. Treatment Plant Supervisor Mike Townely acted as our tour guide and consummate host during the late-afternoon tour. The Bissell Point Water Treatment Plant is one of the largest wastewater treatment plants in the MSD. The MSD's network of sewers and treatment plants is considered by many to be the fourth largest sewer district in the United States.

Mike provided us with the following summary of the plant, "The plant started operation in 1970 as a Primary only treatment plant. In 1993 the plant was expanded to Secondary Treatment. Construction is beginning next year to add Disinfection to the treatment process. Average daily flow is 150 MGD with a peak wet weather flow of 350 MGD. We use incineration to handle our solids. There are 6 multiple hearth incinerators. The plant site is 100 acres in size."



Mike (in the white hat) telling us about the history of the plant.



Photo of the tour group, taken in near the secondary clarifiers.