



Wilmington Delaware Section

The Sensor February-2013

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Apr 23 – Shrimp Boil @ ACE

Control Valve Selection Cullen Langford

Tuesday, February 26, 2013

5:30 PM

@ Applied Control Engineering (ACE)

Newark, DE

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Join us for

Control Valve Selection

Wilmington ISA Section Meeting

Cullen Langford

Tuesday, February 26 (5:30 PM)

Applied Control Engineering (ACE)

Newark, Delaware

A recent survey showed a continuing interest in Control Valves and the Section responded by scheduling Cullen Langford for this task. Cullen wrote the chapter on selection for the ISA Practical Guide series Control Valve Handbook and will use that as the starting point for this meeting.

Cullen has a BS in mechanical engineering, is a licensed PE, Life ISA Fellow, Past president, WISA; retired from Du Pont, and active in ISA for many years.

Visit Wilmington ISA on the Web!

<http://www.isa.org/community/wilmi>

President's Message

Jeff Arbogast

I thank all of you who attended our annual WISA/IEEE Delaware Bay joint meeting in January. While this meeting was hosted by IEEE (we will host in 2014), there was strong participation from WISA members. Now, we enter the heart of our WISA schedule with monthly events from February through June (our famous Shrimp Boil in April, our annual picnic in June, and section meetings).

For our upcoming meeting on February 26th, we are particularly excited to have WISA member Cullen Langford presenting on **Control Valve Selection**. Cullen was appointed an ISA Fellow in 1998 in recognition of his "contributions to the prediction of aerodynamic control valve noise." He authored Chapter 4.15 "Valve Positioners and Accessories" and 4.16 "Valve Sizing" in the Instrument Engineers Handbook, Process Control, Second Edition. I look forward to Cullen's presentation and look forward to seeing you there.

In order to promote the automation profession in general (and ISA in particular), the Wilmington section is proud to continue to offer the \$1000 **Ralph L. Moore Scholarship** to a graduating high school senior attending a 4-year college/university or technical training school. Given the technical focus of our society, candidates pursuing a technical or science degree will receive preferential treatment. Please distribute the application (<http://www.isa.org/filestore/microsites/RalphLMooreApplication2013.doc>) widely among your friends, family, and colleagues. Please sponsor qualified candidates. The deadline for applications is April 8th. We will present the scholarship at our most festive occasion - our annual Shrimp Boil on April 23rd.

On 5-7 November 2013, the ISA Fall Leaders Meeting and Automation Week will be held in Nashville, TN (<http://www.isaautomationweek.org/>). I am a member of the technical program committee and chair of the poster session. Our call for papers will open shortly and I will provide more details in my March message. At Automation Week, ISA holds an Honors and Awards Gala to celebrate those who have made special and impactful contributions to the society and to our profession. I encourage you to nominate candidates for the various awards offered. The deadline is March 31st. For more information, visit [the ISA Honors & Awards website](#). WISA has a [strong history](#) of award recipients, including Nick Sands, who was named an ISA Fellow in 2012 (see [picture](#) from the gala).

Stay Active

There are many ways to be an active member: participating in section meetings; encouraging others to join ISA and participate in our activities; mentoring others in the automation profession; and participating in section committees (organization of the Fall 2013 Wilmington ISA Show is a particular need). Please contact Jeff at jeffrey.arbogast@airliquide.com if you are interested in becoming more involved or if you have any questions, suggestions, concerns, or comments about the Wilmington Section and its activities.

Control Valve Selection

Speaker: Cullen Langford

If you only make it to one section meeting this year, this is the one you don't want to miss. The next Wilmington ISA section meeting is on Tuesday, February 26, 2013 at 5:30 PM. Dinner will be provided.

Topic: Control Valve Selection

A recent survey showed a continuing interest in Control Valves and the Section responded by scheduling Cullen Langford for this task. He wrote the chapter on selection for the ISA Practical Guide series Control Valve Handbook and will use that as the starting point for this meeting. Compressing 50 pages of ranting and raving into a 20 minute exciting presentation is a serious challenge.

Cullen has a BS in mechanical engineering, is a licensed PE, Life ISA Fellow, Past president, WISA, retired from Du Pont, and active in ISA for many years.

Instrumentation Symposium Notes

WISA January Meeting Notes
January 14, 2013

The 68th Instrumentation Symposium for the Process Industries was held on January 22-24, 2013 in College Station, Texas. Several members from the Wilmington ISA were able to participate and speak at this event.

Each of the days of the symposium featured a 2-hour Workshop session where 5 parallel tutorials on topics from Ethics to Basics of Instrumentation, Cybersecurity, and Safety Instrumented Systems. Other presentations were typically 40 minutes in length. This year's event also featured the first annual Instrument Reliability Network Symposium as a program track.

The Instrument Reliability Network is a new organization started in 2012, which focuses on methodologies for collecting reliability information for the complete safety instrumented system.

Next year, the Instrumentation Symposium will be held on January 28-30 in the same location.

Acknowledgements

We acknowledge the loss of three well known local instrument engineers.

Jules Slavin
Harry Connor
Charles Black (President WISA 1973)

Prior his career in sales, Julie was a very well known engineer at the DuPont Louviers Engineering Center. He had great enthusiasm and wonderful good humor.

Harry was known for being very intelligent, with a wide range of interests. He raised sheep and repaired clocks as well as his engineering.

Charlie was always patient, and always the southern gentlemen. He served in the Pacific in the World War II as a Navy SeaBee.

By Sparky Workman

On Monday, January 14, a joint meeting that included the IEEE Delaware Valley and the ISA Wilmington section as well as distinguished guest was held at the Delmarva Conference Center in Christiana.

Tom Gage, founder and CEO of California-based EV Grid and former CEO of AC Propulsion (a leading provider of electric vehicle technology) led the discussion. He opened by providing a brief history of electric vehicle technology and its usage in passenger cars and commercial vehicles, provided a technology overview including comparisons of hybrid, light hybrid, plug-in hybrid, and electric vehicles, and also provided sales trends. In addition, he discussed life cycle cost, and maintenance expectations.

Finally, he discussed the V2G (vehicle to grid) technology that is being demonstrated as a way to provide load balancing for the electric grid by utilizing the batteries of EV cars that are plugged into the grid. The V2G concept was first demonstrated at the University of Delaware and several of the cars that are part of the on-going testing and development of the V2G technology were on display outside of the meeting room.

Deadline is approaching for Ralph L. Moore Scholarship Applications

Wilmington ISA is proud to offer the Ralph L Moore scholarship to graduating high school seniors pursuing a technical college degree. The award is offered in honor of the late Ralph Moore, ISA fellow and pH control expert.

ISA members are encouraged to solicit high school seniors who are interested in pursuing technical degrees to apply for this scholarship.

The Wilmington Section Scholarship Committee will review this information. Deadline for receipt of information by the committee is April 8, 2013. The recipient will receive a check for \$1,000 written to the university or college at the Wilmington Section Shrimp Boil to be held April 23rd. All applicants will be notified of the results.

2012—2013 Program Updates

January Meeting is a production of :

Delmarva Power

Upcoming Wilmington ISA Events

February 26, 2013 Meeting

March 26, 2013 Meeting

April 23, 2013 - Shrimp Boil at ACE

May 28, 2013 Meeting

June 25, 2013 WISA Annual Picnic

Question of the Month:

What is the meaning of V2G?

Send response to murphymatt@verizon.net to win your prize.

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**Encourage colleagues
to join ISA!**

Benefits include:

- Membership in Local Section
- Membership in 2 Divisions
- Free access to ISA Standards
- Free access to ISA Technical papers
- Free access to ISA Webinars

Mark your calendar

**Wilmington ISA Automation
Show**

November 2013