



Wilmington Delaware Section

The Sensor April 2014

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May 27 - Section Meeting - TBD
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2014 SHRIMP BOIL

Tuesday, April 22, 2014

5:30 PM

**@ Applied Control Engineering (ACE)
Newark, DE**

Directions to ACE at www.ace-net.com

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Join us for

Shrimp Boil

Wilmington ISA Section Social
See Our Friends of the Shrimp

Tuesday, April 22, 2014 (5:30 PM)

Applied Control Engineering (ACE)
Newark, Delaware

2014 Shrimp Boil

Once again, Shrimp Master Joe Gunn, from North East Technical Sales will boil up the shrimp and the secret herbs and spices into a feast that you won't want to miss.

Join him, his assistant Mike Scott, and all of the Friends of the Shrimp and Boil Buddies that are sponsoring the 2014 event.

Visit Wilmington ISA on the Web!

<http://wilmingtonisa.org/>

President's Message

By Jeff Arbogast

Thank you for your support of the **2014 Wilmington ISA Industrial Automation Show & Technical Conference** through strong attendance (over 110 attendees). We are proud to present this event as a service to the industrial automation community in the Mid-Atlantic region. The technical presentation sessions on safety, reliability, and efficiency/economics with talks by Air Liquide, Control Station, DuPont, Endress+Hauser, Exida, Maverick Technologies, Meridium, and Proconex were well-attended and well-received. This unique event for the Mid-Atlantic region allows us to fund our programs (and the Ralph L. Moore Scholarship). **Please join me in thanking our exhibitors** (30 in total this year, 1 more than in 2011) who make this event and our entire program possible.

For those of you who are not yet ISA members, I encourage you to join. For your \$110 membership, you receive many benefits, including (but not limited to) the following: online access to technical papers, presentations, recorded webinars, and our scientific journal, *ISA Transactions*; a subscription to our magazine, *InTech*; online reading access to ISA standards documents; a \$110 credit toward the purchase and download of an ISA standards document; discounts on ISA publications and symposia. (Please talk with an experienced ISA leader at our Wilmington ISA booth for more information.)

I encourage you to involve yourself in the various activities of the Wilmington ISA. 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. Please contact me 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 ISA and its activities. **(Interested? – please contact me or any of our leadership.)**

And finally, I look forward to seeing you at our annual **Shrimp Boil** on Tuesday, April 22nd at 5:30 PM at Applied Control Engineering in Newark! This is an excellent feast in memory of WISA past-president Dan Roarty thanks to our Shrimp Master, Joe Gunn, and his sidekick, Mike Scott, at North East Technical Sales and to our various sponsors. I look forward to seeing you there! (especially if I did not get to meet you at the Wilmington ISA Show in March).

Stay Active

Please encourage your friends and colleagues about ISA. [Member benefits](#) include: access to view ISA standards, access to over 40 technical webinars, access to download over 2500 technical papers presented at ISA conferences and symposia over the years, a subscription to InTech (the magazine of ISA), and online access to ISA Transactions (our scientific journal). ISA members can also apply their full membership fee toward the purchase of an ISA standard (to download or print). **You can even get [rewards](#) for recruiting new members.** Please bring a friend to our shrimp boil on April 23.

Cyber Security

February 25, 2014

At the February 2014 meeting, the Wilmington section was honored to have Sven Burkard from Hirshmann lead an engaging discussion regarding cyber security for industrial automation systems at the Applied Control Engineering office in Newark, DE.

During this well attended meeting, Burkard began by providing a history of security penetrations in process and utility industrial networks. The incidents provided chilling examples of what has happened, who is doing it, and what the potential for even more serious incidents includes. Burkard then discussed the US Computer Emergency Reporting Team (CERT) and how the collection of incidents has assisted DHS and member participants to drive improvement in Cyber Security.

Awareness, best practices, and training were all topics discussed during the presentation. Using protection layers including advanced firewall techniques, subnet masking, and manages switches to limit access are all critical to hardened system.

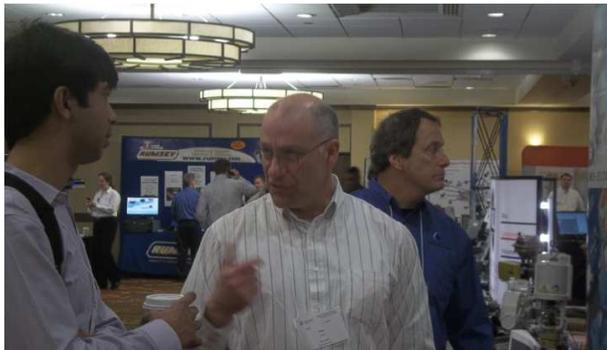
In addition to technology, management practices are critical to ensuring the long term success of a site or business cyber security effort.

Wilmington ISA Show and Technical Conference

By Sparky Workman

On Tuesday, March 25, Wilmington ISA hosted the Wilmington ISA Show and Technical Conference at the Crowne Plaza Wilmington North in Claymont, DE. The event was attended by over 100 visitors from the Delaware, Pennsylvania, and New Jersey region.

The event included 9 technical presentations in three tracks and also included demonstrations of new products and services by over 30 vendors.



Technical presentation sessions covered topics on safety, reliability, and efficiency/economics and were provided. The presenters included technologist from Air Liquide, Control Station, DuPont, Endress+Hauser, Exida, Maverick Technologies, Meridium, and Proconex.



The Wilmington ISA Show is a unique event for the Mid-Atlantic region that allows us to fund our programs (and the Ralph L. Moore Scholarship).

Steve Gandy from Exida, Bill Shollette from Endress+Hauser, and Jeff Arbogast from Air Liquide lead the safety sessions. Don Rozette from Meridium, Matt Murphy from DuPont, and Ed Smigo from Proconex presented the Reliability papers. Bob Rice from Control Station, Bryn Williams from Maverick, and Tong Li from Air Liquide presented the Efficiency and Economics papers.

For those who were unable to attend the sessions, all presentations are available at the Wilmington ISA web site.

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Ralph L. Moore Scholarship

The Wilmington ISA Section is accepting applications for the \$1000 **Ralph L. Moore Scholarship** from all graduating high school seniors who will be 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 with enough time to allow them to obtain the required letters of recommendation. Please sponsor qualified candidates. **We have extended the deadline for applications until May 31st.** We will present the scholarship at our picnic on June 25th



Wilmington ISA Section

<http://wilmingtonisa.org/>

Annual Shrimp Boil

5:30 pm Tuesday, April 22, 2014 at Applied Control Engineering



Table Tops by - Friends of the Shrimp

Tim Cole

Applied Control Engineering

302-738-8800

colet@ace-net.com

Sixto Medina

Vega Americas Inc.

800-367-5383

s.medina@vega.com

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F.S. Welford Company

610-524-9600 ex 111

nmullen@fswelsford.com

Daniel Hirsh

Scott Health & Safety

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dhirsh@tycoint.com

Dave Koepke

Rockwell Automation

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dckoepe@ra.rockwell.com

Joe Gunn

North East Technical Sales

267-933-6626

jgunn@netechsales.com



Wilmington ISA Section

<http://wilmingtonisa.org/>



Boil Buddies

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MSA

(703) 629-6384

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William Dorsey
Honeywell

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John & Diane Bingham
Mechanical Design Solutions

302-659-0233

jbingham@mds13.com.com

ABB Process Automation

<http://www.abb.com/processautomation>

As the world's largest supplier of solutions to the process industries, ABB provides site and remote-enabled service, training, system lifecycle support, process optimization, process analytics, electrical products, and energy-saving Baldor industrial electrical motors to help you lower operational costs, increase efficiencies and achieve sustainable business improvement.

aeSolutions

<http://www.aesolns.com>

aeSolutions provides process safety engineering and automation solutions to support manufacturing companies throughout the Process Safety Lifecycle.

Cemtech Energy Controls

<http://www.cemtech-energy.com>

Cemtech Energy Controls, Inc. has over 25 years experience providing engineering services, control systems and instrumentation for a variety of industries. The real strength of Cemtech lies in our ability to solve problems through extensive product knowledge, proper product application, close relationships with customers and coordination with factory representatives. Our products range from Field and Analytical instruments to Data Acquisition and network solutions, from distributed control systems and annunciators to gas monitors, chemical analyzers and pH sensors. Take a look and find that we represent the quality companies in the industry including Yokogawa, E/One, Ronan, Bacharach and Swan.

Control Station, Inc.

<http://www.controlstation.com>

Control Station provides industrial-grade control loop monitoring and PID tuning software for optimizing production performance and plant profitability.

Creative Micro Designs

<http://www.cmdfab.com>

Creative Micro Designs, since 1992, has been providing Designs for custom automation solutions. Processes monitored include fibers, plastics, glass. From one off to multiple units, Ethernet, DeviceNet, Bluetooth, and with Digital Signal Processing for calibration free, 24/7 performance.

Del Val Controls, Inc.

<http://www.delvalcontrols.com>

Distributor of Instrumentation and Process Automation Equipment for the Industrial and Biopharm Industries.

Boil Buddies (Continued)

Eastern Controls Inc.

<http://www.easterncontrols.com>

Representing a complete spectrum of products in the industrial, pharmaceutical, and HVAC control markets, Eastern Controls Inc. offers sales and service capabilities within the established locations of NY, Philadelphia, and Baltimore/Wash. markets. Our principles include Masoneilan, Invensys/Foxboro, MSA, Turck, FCI, O'Brien, Veris, PGI, ABB/F&P, Rotork/Remote Control, ITT, PBM, and Anderson. Representing a complete spectrum of products in the industrial, pharmaceutical, and HVAC control markets, Eastern Controls Inc. offers sales and service capabilities within the established locations of NY, Philadelphia, and Baltimore/Wash. markets. Our principles include Masoneilan, Invensys/Foxboro, MSA, Turck, FCI, O'Brien, Veris, PGI, ABB/F&P, Rotork/Remote Control, ITT, PBM, and Anderson.

Emerson Process Management

<http://www.emersonprocess.com>

Rosemount Measurement is responsible for Emerson's Pressure, Temperature, and Level Transmitter Product Lines – with HART, Foundation Fieldbus, or Wireless HART communications. Our newest product offerings include Wireless Transmitters with Internal antennae, Steam Trap Condition Monitors, and ERS – innovation that can replace impulse line or capillary with wire! Rosemount Measurement is responsible for Emerson's Pressure, Temperature, and Level Transmitter Product Lines – with HART, Foundation Fieldbus, or Wireless HART communications. Our newest product offerings include Wireless Transmitters with Internal antennae, Steam Trap Condition Monitors, and ERS – innovation that can replace impulse line or capillary with wire!

Endress+Hauser

<http://www.us.endress.com>

Endress+Hauser is recognized as a leading supplier of industrial measurement and automation equipment, providing services and solutions for industrial processes all over the world. We offer comprehensive process solutions for flow, level, pressure, analysis, temperature, recording and digital communications across a wide range of industries, optimizing processes in regards to economic efficiency, safety and environmental protection. Endress+Hauser is recognized as a leading supplier of industrial measurement and automation equipment, providing services and solutions for industrial processes all over the world. We offer comprehensive process solutions for flow, level, pressure, analysis, temperature, recording and digital communications across a wide range of industries, optimizing processes in regards to economic efficiency, safety and environmental protection.

exida

<http://www.exida.com>

exida was founded in 1999 by Dr. William Goble (USA) and Mr. Rainer Faller (Germany). Goble and Faller are considered by many to be the leading authorities in the field of functional safety. exida provides expert end user and OEM system consulting, product testing and certification, assessment, cybersecurity, and alarm management services to clients ranging from Fortune 500 to small start-up companies. exida was founded in 1999 by Dr. William Goble (USA) and Mr. Rainer Faller (Germany). Goble and Faller are considered by many to be the leading authorities in the field of functional safety. exida provides expert end user and OEM system consulting, product testing and certification, assessment, cybersecurity, and alarm management services to clients ranging from Fortune 500 to small start-up companies.

F S Welsford Company

<http://www.fswelsford.com>

The F. S. Welsford Co. is a Manufacturer's Representative offering Instrumentation and Process Equipment to the Chemical, Food and Pharmaceutical Industries. Lines include Jordan Valve, RPA Ronningen-Petter Filters, OPW O-Rings, Flexim Ultrasonic Flow Meters, Alstrom Heat Exchangers, Triac Automated Ball Valves, Hydroseal and Aquatrol Relief Valves, Coax and GC High Performance Solenoid Valves, Sitron Level Controls, Solon Pressure Switches, Controlair I/P Transducers, and Erdco Flow Meters. Valves and instrumentation for the industrial and manufacturing industries. The F. S. Welsford Co. is a Manufacturer's Representative offering Instrumentation and Process Equipment to the Chemical, Food and Pharmaceutical Industries. Lines include Jordan Valve, RPA Ronningen-Petter Filters, OPW O-Rings, Flexim Ultrasonic Flow Meters, Alstrom Heat Exchangers, Triac Automated Ball Valves, Hydroseal and Aquatrol Relief Valves, Coax and GC High Performance Solenoid Valves, Sitron Level Controls, Solon Pressure Switches, Controlair I/P Transducers, and Erdco Flow Meters. Valves and instrumentation for the industrial and manufacturing industries.

Boil Buddies (Continued)

FCx Performance Inc

<http://www.fcxperformance.com>

FCX is a leading U.S. specialty flow control distributor and solutions provider. FCX provides "total solutions" through a broad inventory of over 60,000 complementary products and components from approximately 2,000 leading vendors. FCX is the source for all of your process flow control needs. We can source, stock, manage, maintain and deliver a custom solution that will meet your requirements. From a single valve to a fully integrated process control loop, FCX has the experience and resources in place to deliver solutions. FCX is a leading U.S. specialty flow control distributor and solutions provider. FCX provides "total solutions" through a broad inventory of over 60,000 complementary products and components from approximately 2,000 leading vendors. FCX is the source for all of your process flow control needs. We can source, stock, manage, maintain and deliver a custom solution that will meet your requirements. From a single valve to a fully integrated process control loop, FCX has the experience and resources in place to deliver solutions.

Ives Equipment Company

<http://www.ivesequipment.com>

Ives Equipment Corporation is a Manufacturer's Representative and Stocking Distributor serving most major industries including Power, Food, Pharma / Biotech, Chemical, Petro-chem, Water and Waste Water. Products include valves, controls, instrumentation, analyzers, and heat trace, among others. Ives provides solutions to customer needs ranging from the process equipment level to complete turn-key systems for process and environmental control. Ives Equipment Corporation is a Manufacturer's Representative and Stocking Distributor serving most major industries including Power, Food, Pharma / Biotech, Chemical, Petro-chem, Water and Waste Water. Products include valves, controls, instrumentation, analyzers, and heat trace, among others. Ives provides solutions to customer needs ranging from the process equipment level to complete turn-key systems for process and environmental control.

JMS Southeast / Arobone & Co.

<http://www.jms-se.com>

JMS Southeast designs and manufactures a complete line of high quality standard and customized temperature sensors including thermocouples, RTD's and Thermowells as well as a wide selection of temperature accessories. JMS Southeast designs and manufactures a complete line of high quality standard and customized temperature sensors including thermocouples, RTD's and Thermowells as well as a wide selection of temperature accessories.

Meridium

<http://www.meridium.com>

Meridium, Inc. is the global leader in asset performance management solutions for asset-intensive industries. Meridium's Asset Performance Management (APM) software and services enable industry proven work processes to maximize physical asset performance, mitigate risk, and optimize cost across the business enterprise. For more information, visit www.meridium.com. Meridium, Inc. is the global leader in asset performance management solutions for asset-intensive industries. Meridium's Asset Performance Management (APM) software and services enable industry proven work processes to maximize physical asset performance, mitigate risk, and optimize cost across the business enterprise. For more information, visit www.meridium.com.

Michell Instruments Inc.

<http://www.michell.com/us>

Manufacturers of dew-point transmitters, chilled mirror hygrometers, relative humidity sensors, process moisture analyzers, hydrocarbon dew-point analyzers, moisture in hydrocarbon liquid analyzers and oxygen analyzers, Michell Instruments is an international leader in high-precision sensing with over 30 years' experience in the field. Manufacturers of dew-point transmitters, chilled mirror hygrometers, relative humidity sensors, process moisture analyzers, hydrocarbon dew-point analyzers, moisture in hydrocarbon liquid analyzers and oxygen analyzers, Michell Instruments is an international leader in high-precision sensing with over 30 years' experience in the field.

Miller Energy Inc.

<http://millerenergy.com>

Miller Energy, Inc. is a manufacturer's representative serving the process industry in Delaware, Pennsylvania, New Jersey and Maryland. Products include Magnetrol Level & Flow, Brooks Mass Flow Controllers, Cashco Regulators, Valves & Vents. Miller Energy, Inc. is a manufacturer's representative serving the process industry in Delaware, Pennsylvania, New Jersey and Maryland. Products include Magnetrol Level & Flow, Brooks Mass Flow Controllers, Cashco Regulators, Valves & Vents.

Boil Buddies (Continued)

National Basic Sensor (NBS)

<http://www.nationalbasicsensor.com>

NBS is a ISO 9001;2008 registered manufacturer of Thermocouples, RTD's, and related Temperature accessories. All sales, production, and calibration are done in house in Trevese, Pa.

North East Technical Sales, Inc.

<http://www.netechsales.com>

We have been providing solutions for Industrial, Commercial and Municipal applications since 1973. Our capabilities include YSI and Thermo Scientific Water Quality Meters, Vega Americas Radar Level, Honeywell/Enraf Precision Level plus Injection and Blending Systems, Scott Instruments Gas Detection Systems, Toshiba Mag Meters, Sierra Instruments Thermal Mass/Vortex Flow Meters and Flow Controllers, TTEC Temperature Sensors, Calibration Gases plus installation and service contracts.

NSI NEAL SYSTEMS

<http://www.nealsystems.com>

Neal Systems Incorporated (NSI) is a supplier and integrator of instrumentation, control and data acquisition systems, wireless networks, industrial Ethernet networking technology, and security systems (cyber-security and IP-based video surveillance) for the industrial markets.

PDIR, Inc.

<http://www.pd-ir.com>

PDIR provides instrumentation and process control solutions to the industrial and environmental markets in the Mid-Atlantic area.

PROCONEX

<http://www.proconexdirect.com/>

PROCONEX is the leading solutions supplier of process control equipment and related services in the Mid-Atlantic region. We support pharmaceutical, chemical, gas distribution, refining, power and other varied industries. PROCONEX Process Control Solutions are designed to accommodate every aspect of your project. We know that your future depends on reliability, that's why PROCONEX Process Control Experts are pleased to provide you with the highest quality products, and premier services. PROCONEX top-notch services include: Valve and DCS Repair, Outage Management, Maintenance Planning, Wireless Integration, PLC & Instrumentation Services, Valve and Loop Diagnostics, Control System Consulting, Process Control Software Design, MES Integration, Document Management, Engineering Management, Project and Site Services, and Educational Training. For a complete listing of products and services, please visit: www.proconexdirect.com.

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PRO-QUIP, Inc.

<http://www.pro-quip.com>

PRO-QUIP will provide a working demo of the Valtek (Flowserve) Mark One Control Valve, LOGIX Digital Positioner, and ValveSight Online Diagnostic Capabilities. Additional products displayed will include BS&B Rupture Disks, Protectoseal Pressure Vacuum Vents, and LESER Safety Relief Valves. PRO-QUIP will provide a working demo of the Valtek (Flowserve) Mark One Control Valve, LOGIX Digital Positioner, and ValveSight Online Diagnostic Capabilities. Additional products displayed will include BS&B Rupture Disks, Protectoseal Pressure Vacuum Vents, and LESER Safety Relief Valves.

Boil Buddies (Continued)

Rockwell Automation

<http://www.rockwellautomation.com/>

Through the convergence of control and information systems, Rockwell Automation's Integrated Architecture delivers plantwide optimization, machine builder performance, and sustainable production and serves as a foundation to help you improve productivity with better asset utilization and system performance.

Rumsey Electric

<http://www.rumsey.com/>

Rumsey Electric is the area's leading supplier of automation controls, software, and services as the local authorized source for Rockwell Automation / Allen Bradley.

Siemens

<http://www.automation.siemens.com>

Siemens will demonstrate integrated Motor Control Center (MCC) and adjustable speed drives (ASD).

TRIFLOW CORPORATION

<http://www.triflowcorp.com/>

TRIFLOW Valves & Controls: See DeZURIK VPB V-Ball type & RCV Rotary Control Valves; Red Valve Control Pinch Valves; ADAMS BFV TOV ESD Valves, MOGAS Flexstream Severe Service Metal Seated Ball Valves; ROTORK Actuators, both MOV Control Failsafe and Pneumatics for your technical review. Ask about Energy Saving Liquids Heating without HeatX to plus or minus ½ degree accuracy.

WGS Equipment & Controls Inc

<http://www.wgsequipment.com>

Established in 1980, WGS Equipment & Controls Inc is a leading supplier of process control and measurement instrumentation systems for a wide range of industries. Our combination of world class products and application expertise enables WGS to provide our customers with efficient solutions which in turn will reduce production costs and improve quality and reliability.

Wilmington Section - ISA

<http://www.isa.org/~wilmdei>

The International Society of Automation (ISA) 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 problems. Based in Research Triangle Park, North Carolina, ISA develops standards; certifies industry professionals; provides education and training; provides forums for exchanging solutions; publishes books and technical articles.

Special Thanks to the Host for the 2014 Shrimp Boil

Applied Control Engineering, Inc.

<http://www.ace-net.com>

Since 1991, ACE has helped manufacturing, controls, and engineering professionals in every aspect of automation, process control, and systems integration. From platform selection and design, to start-up and validation, as an independent systems integrator, ACE helps customers select the right solution and then implement it on time and on budget. Since 1991, ACE has helped manufacturing, controls, and engineering professionals in every aspect of automation, process control, and systems integration. From platform selection and design, to start-up and validation, as an independent systems integrator, ACE helps customers select the right solution and then implement it on time and on budget.

2013—2014 Program Updates

Shrimp Boil Free food & beverages

Shrimp Master - Joe Gunn, North East Technical Sales, Phone: 267-933-6626

With Sidekick - Mike Scott, Chief Bottle Washer and Onion Cutter

sponsored by

Friends of the Shrimp

Also sponsored by

Boil Buddies

**ISA - Wilmington Section
P O Box 9245
Newark, DE 19714-9254**

**Thanks to all who
volunteered for the 2014
WISA Automation Exhibit
and Technical Conference**

Upcoming Wilmington ISA Events

April 22, 2014 - Shrimp Boil at ACE

May 27, 2014 TBD at ACE

June 24, 2014 WISA Annual Picnic—ACE

If interested in sponsoring the Shrimp Boil, please contact Lee Cline, lcline@rumsey.com.

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