

Making the Most of your ISA Membership: 2012 ISA Technical Division Symposia

By Graham Nasby

This column is part of a series of articles about taking advantage of the resources and opportunities that come with your ISA membership.

Throughout the course of the year, the ISA as an organization maintains a busy calendar. On top of the numerous activities that the ISA's various local sections organize, ISA technical divisions host a wide variety of division symposia that are focused on specific industries and technical aspects of automation. These events are global in nature and draw attendees from around the world.

This article is meant to provide a brief overview of each of the ISA's division symposia. Each symposium is described in a few short paragraphs, followed by links to more information. These links include symposia website addresses and key symposium contact people. Symposia details such as program schedules, presentation formats, calls for abstracts/papers, submission timelines, optional short-courses and registration details can be found on the individual symposia websites or by contacting the individuals listed.

The 2012 ISA technical division symposia calendar is as follows:

- Apr 16-17, 2012 – ISA Communications Division / ISA100 Wireless for Factory Automation Workshop
- Apr 22-26, 2012 – ISA Analysis Division Symposium (AD)
- Apr 25-26, 2012 – ISA Safety & Security Division Symposium (SAFETY)
- May 14-16, 2012 – ISA Leak Detection and Repair – Fugitive Emissions Symposium (LDAR)
- June 3-8, 2012 – ISA Power Industry Division Symposium (POWID)
- June 4-8, 2012 – ISA International Instrumentation Symposium (IIS)
- June 5-7, 2012 – ISA Communications Division Symposium (CommDiv)
- June 9-12, 2012 – ISA Spring Leaders Meeting / Standards Committee Meetings (SLM)*
- Aug 7-9, 2012 – ISA Water/Wastewater and Automatic Controls Symposium (WWAC)
- Aug 15-17, 2012 – ISA Marketing & Sales Summit (M&SS)
- Sept 23-26 – ISA Fall Leaders Meeting / Standards Committee Meetings (FLM)*
- Sept 24-27, 2012 – ISA Automation Week (AW)*

**Note: The Spring Leaders Meeting, Fall Leaders Meeting and Automation Week not really division symposia; they are shown in the above calendar to only to provide context in terms of scheduling. An overview of the FLM, SLM and AW will be provided in a separate article.*

Each of the ISA's division symposia are unique and are focused on a specific technical area of interest. Some are focused on specific industries, like POWID and WWAC, while others are more technology or application specific such as IIS and SAFETY. The common thread between the symposia is that they each welcome a wide cross-section of interested individuals that includes end-users, vendors, consultants, system integrators, and engineering firms. The common goal is the sharing of practical information so that everyone can better solve today's automation challenges.

One of the key benefits of ISA membership is discounted registration fees for division symposia. ISA members also receive advance notification of when online registration for the symposia becomes available.

[Overviews of the Symposia, Workshops and Summits](#)

Communications Division / ISA100 Wireless for Factory Automation Workshop April 16-17, 2012 (Mon-Tues)

Detroit, Michigan

www.isa.org/MSTemplate.cfm?MicrositeID=530

This event, hosted by the ISA Communications Division, provides the opportunity to meet with peers to share ideas and learn about the latest advances in the use of industrial wireless communications in a factory setting. In addition to the workshop, there will be standards committee meetings taking place as well. The standards meetings will

provide attendees with the opportunity to meet with the authors, editors and contributors of standards documents in development. The resulting conversations with these experts will significantly increase your understanding of wireless communications technology thus better preparing you for this ground-breaking technology and how to effectively deploy it in your facility.

The call for papers is available on the symposium website. Abstracts are due on January 31, 2012, but late submissions may still be considered. First draft papers are due on February 28, 2012.

Online registration will be available shortly via the symposium website. A discount will be available for ISA members.

More information about the 2012 ISA Communications Division Spring Symposium can be found at <http://www.isa.org/MSTemplate.cfm?MicrositeID=530> or by contacting the workshop chair Cliff Whitehead at +1 (440) 646-3779 or cjwhiteheadjr@ra.rockwell.com

57th Analysis Division Symposium

Apr 22-26, 2012 (Sun-Thurs)

Crowne Plaza Hotel, Anaheim, California, USA

www.adsymposium.org

This event, hosted by the ISA Analysis Division, provides information on the latest innovations in instrumentation, automation, security and business systems technology. Areas of interest include chromatography, spectroscopy, chemical analyzers, physical property measurements, process stream analysis, environmental monitoring, on-line analysis, at-line analysis, maintenance, laboratory analysis, sample handling, validation, system integration, standards, and emerging technologies. A full program will include expert-led training, technical presentations, social functions, and more at the beautiful Crowne Plaza Hotel.

The symposium currently has a full program of speakers/papers for 2012. (Abstracts were due on Nov 30, 2011). First draft papers, from those abstracts that were accepted, are due on Jan 20, 2012.

Online registration is now available via the symposium website, and there are two optional short-courses on the Sunday. A registration discount is available for ISA members. The website also has a downloadable PDF registration form.

More information about the 2012 ISA Analysis Division Symposium can be found at www.adsymposium.org or by contacting the symposium program chair Mike Chaney at Michael.Chaney@lyondellbasell.com

2012 Safety and Security Symposium

Apr 25-26, 2012 (Wed-Thurs)

Crown Plaza Hotel, Anaheim, California, USA

www.isa.org/safety/

This event covers current safety and security technologies and procedures associated with identifying and mitigating safety hazards in industrial environments. Technical content is focused around safety instrumented systems (SIS), safety-related topics, cyber security and the associated challenges in designing and implementing industrial automation solutions.

The call for papers is available on the symposium website. Abstracts were due on Dec 15, 2011, but late submissions may still be considered. Suggested topics for the safety track include SIS, alarm management, safety lifecycles, safety standards, and safety system implementation case studies. The security track includes topics such

as cyber security, security standards, control systems security, industrial security threats/risks, and case studies. First draft papers are due on February 24, 2012, and presentations are due on April 6, 2012.

Online registration will be available shortly via the symposium website. A discount will be available for ISA members.

More information about the 2012 ISA Safety and Security Division Symposium can be found at www.isa.org/safety/ or by contacting the security track program chair Jim Gilsinn at james.gilsinn@nist.gov or the safety track program chair Jim Palomar at palomar@chevron.com.

12th LDAR (Leak Detection And Repair)-Fugitive Emission Symposium May 14-16, 2012 (Mon-Wed)

Astor Crowne Plaza Hotel, New Orleans, Louisiana, USA

www.isa.org/ldar/

This event is a platform where representatives from regulatory agencies will announce the latest compliance requirements and share findings from recent enforcement actions. Best practices for leak detection and repair, directed inspection, and ongoing maintenance programs will also be topics for discussion among experts and attendees.

ISA is currently looking for industry experts and speakers for the 12th ISA LDAR-Fugitive Emissions Symposium. Additional information can be found on the symposium website.

Online registration will be available shortly via the symposium website. A discount will be available for ISA members.

More information about the 2012 ISA LDAR-Fugitive Emissions Symposium can be found at www.isa.org/ldar/ or by contacting program chair Greg Walton at gregwalton@sbc.net

58th International Instrumentation Symposium June 4-8, 2012 (Mon-Fri)

Hyatt Regency La Jolla Hotel, San Diego, California, USA

www.isa.org/iis/

This event offers technical information and training in the traditional areas of measurements/sensors, instrumentation systems, data and advanced system/sensor technology and other state-of-the-art areas. Attendees will gain insight into critical technical topics including: electronic instrumentation, wireless technology, cyber security, aerospace systems, process measurement and control, and more. In addition to the speaking tracks, IIS also features volunteer-led tutorials, exhibits, networking and social functions, as well as a student paper competition.

The call for papers is available on the symposium website. Abstracts are due on January 20, 2012, but late submissions may still be considered. Suggested topics include: Instrumentation, data systems, communications, turbine engine testing, platform testing, test facilities metrology, and new sensor technologies. First draft papers are due on March 23, 2012.

Online registration will be available shortly via the symposium website. A discount will be available for ISA members.

More information about the 2012 ISA IIS can be found at www.isa.org/iis/ or by contacting the program chair Bryan Hayes at bryan.hayes@arnold.af.mil or the general symposium chair Edward Naranjo at edwardn@generalmonitors.com.

2012 Communications Division Spring Symposium**June 5-7, 2012 (Tues-Thurs)**

Hyatt Regency La Jolla Hotel, San Diego, California, USA

<http://www.isa.org/MSTemplate.cfm?MicrositeID=530>

This event, hosted by the ISA Communications Division, provides a venue for peers to share ideas and learn about the latest advances in all forms of industrial communications from telemetry, fieldbus, Ethernet, and wireless technologies. We will be building on the success of the 2011 Passive Wireless Sensor Tag workshop by offering this full workshop as one track in the Symposia. Paper sessions, short courses, workshops, and tutorials will all be included. Papers will be considered for publication in the ISA technical journal, *ISA Transactions*. Written papers will be refereed while PowerPoint submittals will be reviewed for compliance with ISA guidelines. It is our intention to publish all documents via the Division website.

The call for papers is available on the symposium website. Abstracts were due on January 16, 2012, but late submissions may still be considered. First draft papers are due on March 18, 2012.

Online registration will be available shortly via the symposium website. A discount will be available for ISA members.

More information about the 2012 ISA Communications Division Spring Symposium can be found at <http://www.isa.org/MSTemplate.cfm?MicrositeID=530> or by contacting the program chair Pete Fuhr at peter.fuhr@rfviz.com or the general symposium chair George Studor at george.f.stuor@nasa.gov.

55th Annual ISA POWID (Power Industry) Symposium**June 3-8, 2012 (Sun-Thurs)**

Renaissance Austin Hotel, Austin, Texas, USA

www.isa.org/powersymp/

This symposium, hosted by ISA's Power Industry Division, provides information on the latest innovations in controls, instrumentation, cyber security, smart grid, regulatory issues and variable energy technologies, which impact power generation/delivery systems. In addition to speaking tracks, the symposium also includes an opening night reception, keynote messages from industry leaders, ISA and industry training sessions, ISA I&C Standards working group meetings, an honors & awards banquet, and vendor exhibits.

The call for papers is available on the symposium website. Abstracts are due February 15, 2012, but late submissions may be considered. Papers should focus on some aspect of the theme, "Power Generation–Automation Today and Tomorrow," and should be relevant to the power industry. Suggested paper topics include: cyber security issues and solutions; nuclear plant innovations and enhancements; smart grid; renewable energy; nuclear power, new and existing fleet; fossil power, conventional steam, and combined cycle plants; and other topics of interest. First draft papers are due March 5, 2012.

PDF registration forms are available on the symposium website. Online registration will be available shortly via the symposium website. A discount is available for ISA members.

More information about the 2012 ISA POWID Symposium can be found at www.isa.org/powersymp/ or by contacting the Fossil & non-Nuclear co-program chair Jim Batug at jbatug@pplweb.com, or the Nuclear co-program chair Phil Knobel at philknobel@invensis.com, or the general symposium chair Gary Cohee at garyacohee@aol.com.

2012 ISA Water/Wastewater and Automatic Controls Symposium**Aug 7-9, 2012 (Tues-Thurs)**

Holiday Inn Castle Resort, Orlando, Florida, USA

www.isawwsymposium.com

This 3-day symposium, sponsored by the ISA Water/Wastewater Industries Division, is focused on 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 starts with symposium registration, a plant tour, and an optional full-day short course of automation & SCADA system security. The second day kicks off with a keynote speaker, followed by presentations on general water/wastewater topics such as instrumentation; system integration, automation, plant case studies, new technologies and process optimization/automation. The third day is focussed on leveraging automation technology with topics including SCADA, HMI, Human Factors, and Alarm Management. The Tues-Thurs timeslot has been picked so families can easily take their kids to Walt Disney World, both during and before/after the symposium.

The Call for Abstracts will be available on January 16, 2012 on the symposium website. Abstracts will be due on Mar 7, 2012. Authors will have the option of presenting their work as a 35-minute power point presentation (no paper), a 6-12 page paper accompanied by a 35-minute power point presentation, or a 3'x4' large format poster. Student papers and presentations are also accepted. First draft submissions will be due on April 25, 2012.

Online registration will be available starting January 23, 2012 via the symposium website. ISA members will receive a discounted rate of \$100 off the regular symposium price. There is an early-bird discounted rate for both ISA members and non-members available until June 15, 2012.

For more information about the 2012 ISA WWAC Symposium can be found at www.isawwsymposium.com or by contacting the general symposium chair Graham Nasby at graham.nasby@eramosa.com or the program committee chair Joe Provenzano at provenzano2@comcast.net.

7th ISA Marketing & Sales Summit**Aug 15-17, 2012 (Wed-Fri)**

Austin, Texas, USA

www.marketingsalessummit.com

This event, sponsored by the ISA Management Division, helps marketing and sales executives in the automation markets meet the strategic and tactical challenges of the 21st century. This unique event is designed exclusively for senior sales and marketing professionals in the automation sector.

The ISA is currently looking for industry experts and speakers for the 7th Annual Marketing & Sales Summit. A call for abstracts will be issued shortly. Additional information can be found on the symposium website.

Online registration will be available shortly via the symposium website. A discount will be available for ISA members.

More information about the 2012 ISA Marketing & Sales Summit can be found at www.marketingsalessummit.com or by contacting program co-chairs Juliann Grant at juliann@telesian.com or Shari Worthington at sharilee@telesian.com.

More Information

For more information ISA technical divisions and their annual symposia visit the ISA website at www.isa.org/divisions/.

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