



Birmingham Section

Trend Recorder

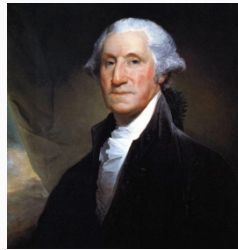
ISA Birmingham Web

Site: www.isa.org/Birmingham [us19@mailchimp.com]

July 1, 2025



Happy Fourth of July!!



The

Executive Leadership Team of the ISA Birmingham Section wishes each of you a very happy and prosperous Fourth of July Holiday. We are so blessed to live in the greatest country in the world with freedoms and rights that have been obtained and retained by the dedication and bravery of our men and women in military service around the world – now and throughout the history of this nation.

Please celebrate the birth and existence of this wonderful nation and the opportunities that each person has in life. Be sure and thank our service men and women for what they have done and are doing to protect us and keep us safe.

ISA BIRMINGHAM SECTION NEWS

- The ISA Birmingham Section will not have a technical meeting in June, July, August or September. However, there will be a kick-off meeting in September to begin our new section year and to provide an opportunity for the members to meet and greet each other.

The leadership team will be meeting in July to formulate some definitive plans for the coming year. If you have any suggestions or ideas to share, please contact one of the leaders shown below to express your thoughts.

ISA Birmingham Section 2025-2026 Executive Team

PRESIDENT: ***DAVID HARRIS – REVERE CONTROL SYSTEMS***

VICE PRESIDENT: OPEN

TREASURER: ***PATRICK JOSEPH – SOUTHERN COMPANY***

SECRETARY: ***RAMSEY SAAB – PROCESS AUTOMATION &***

CONTROLS

PAST PRESIDENT: **CHUCK JONES – PROCESS VALVE & INSTRUMENTS**

ISA Birmingham Mission

The ISA Birmingham Section exists to advance automation, instrumentation, and controls technology, promote professional development of members, and create a network of professionals to share and learn.

ISA Birmingham Goals

The aims and objectives of the ISA Birmingham Section are to:

- I. Provide opportunities for members to develop their professional and leadership skills through a mentoring and teaching atmosphere.
- II. Develop programs and provide training to disseminate technical information to personnel in the automation, instrumentation, and control field of practice.
- III. Establish local and international opportunities for networking and information sharing with others in the automation, instrumentation, and control field.
- IV. Promote automation, instrumentation, and controls as a valuable and important field of work for engineering students.
- V. Create scholarship opportunities for students in the field of automation, instrumentation, and controls.
- VI. Encourage automation, instrumentation, and controls professionals to share their experience across industry boundaries and promote innovative thinking.

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Tentative Calendar **2025-2026 ISA Birmingham Section Schedule**

Event	Date
Annual Planning Meeting – ExCom	July , 2025
Kick-Off Meeting - TBD Time: 6:00 PM until 8:00 PM Speaker: Mix and Mingle time to have food, fun, and fellowship with other members and those interested in the automation and controls field of work.	September 16, 2025
Technical Meeting: TBD Time: 5:30 – 6:30 PM Speaker: TBD Topic: TBD	October 14, 2025
Technical Meeting: TBD Time: 5:30 – 6:30 PM Speaker: TBD Topic: TBD	November 11, 2025
ISA Birmingham Section Christmas Party Date and Time: Tuesday – December 9, 2025	December 9, 2025

Time: 6:30 PM Location: TBD		
Technical Meeting: TBD Time: 5:30 – 6:30 PM Speaker: TBE Topic: TBD		January 13, 2026
ECOB Banquet– Annual Dinner and Celebration Location: Harbert Center, 2019 Fourth Avenue North, Birmingham Engineer’s Week Honors and Awards Recognitions Social: 5:00 PM Dinner: 6:00 PM Awards and Recognitions: 6:30 PM		February 17, 2026
Technical Meeting: TBD Time: 5:00 – 6:30 PM Speaker: TBD Topic: TBD		March 10, 2026
Plant Visit – TBD Details of hours and transportation will be announced in a meeting notice to come out in early April.		April 14 2026
“Fundamentals of Industrial Automation, Instrumentation, and Control” Training Course Location: TBD <i>For specific details and to register, please click on the following connection link:</i> TBD [us19.mailchimp.com]		T B D
Birmingham Section - Honors and Awards Banquet – Location: TBD [us19.mailchimp.com] Presentation of awards to the Engineer of the Year, Young Engineer of the Year, and Distinguished Society Service Award. Recognition of Former Presidents of the		May 12, 2026

ISA Birmingham Section.	
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Volunteer Leaders Needed

The ISA Birmingham Section needs leaders in almost all areas of our section operation, and this provides excellent opportunities for members to step forward and indicate a desire to serve. This section is one of the most active groups in the society, with positions that will be beneficial to those who are willing to make a difference.

Are you interested in working with us in the section leadership teams to develop your leader skills, expand your sphere of influence, learn more about ISA, network with others in the field, and give back to the society that supports their area of work – the International Society of Automation (ISA)?

We have needs in most all of our committees (teams), and need to identify people who have a passion for:

- Programs
- Education and Scholarships
- Honors and Awards
- Standards
- Student Chapter
- Newsletters
- Marketing
- Membership

If you are interested in joining one of our section leadership teams, please contact David Harris, ISA Birmingham Section President at dharris@reverecontrol.com. Also, he may be reached at (205) 275-5746. .

noisome

ADJECTIVE | NOY-SUM

Matt's Word for the Day

What It Means

Noisome is a formal and literary word used to describe things that are very unpleasant or disgusting; it is used especially to describe offensive smells. *Noisome* can also mean “highly obnoxious or objectionable” as in “we were put off by their *noisome* habits.”

// The *noisome* odor of a trash can in the alley was so strong that even diners seated inside the adjacent restaurant complained to staff.

Example of *noisome*

“During the fourteenth century, the bubonic plague outbreak that came to be known as the Black Death claimed thousands of victims, condemning them to a rapid and painful end. As the sufferers deteriorated, the disease tainted them with a tell-tale, repellent stench, which seemed to confirm smell as the root cause of the illness. ... **Noisome** dwellings were set right by fumigation, while rooms were doused with strong-smelling substances like vinegar and turpentine—anything to keep at bay the dreaded [miasma \[us19.mailchimp.com\]](#).” — Ashley Ward, *Where We Meet the World: The Story of the Senses*, 2023

Did You Know?

Noisome looks and sounds like a close relation of [noisy \[us19.mailchimp.com\]](#), but it’s not. While *noisy* describes what is excessively loud, *noisome* typically describes what is excessively stinky. (It is also used to describe things offensive to the senses generally, as well as things that are highly obnoxious, objectionable, or simply harmful.) **Noisome** comes from the synonymous Middle English *noysome*, which combines the suffix [-some \[us19.mailchimp.com\]](#), meaning

“characterized by a specified thing,” and the noun *noy*, meaning “annoyance.” *Noisy*, incidentally, comes ultimately from Latin *nausea*, meaning “nausea.”



Technical Brain Teaser

To measure the level of a liquid with a dielectric constant greater than 2 in a horizontal vessel with changing composition and temperature, the device with BEST reproducibility is a:

- a. Radar level detector
- b. Magnetostriction detector
- c. Capacitance level detector
- d. Differential pressure transmitter

Scroll down for the answer

Scroll down for the answer

Scroll down for the answer

Scroll down for the answer

And the answer is--

Answer:

The fact that this is a horizontal tank does not have an impact on the measurement technology that is chosen. There are variations in the physical characteristics of the liquid in the tank due to changes in temperature and incoming fluid. The choice must take these factors into account. The differential pressure measurement and the magnetostriction options are not viable due to changes in specific gravity. The capacitance level device will be impacted by temperature and changes in dielectric constant of the fluid. The radar level detector seems to be an excellent option for this application.

It does not depend on speed of sound, changes in density, changes in dielectric constant or composition. Good accuracy for the horizontal tank.

Answer is A Radar Level Detector

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