March 15, 2019

ISA Birmingham Section March Meeting Report

The W.G. Yates Company office was the setting for the March 12, 2019, technical meeting of the ISA Birmingham Section. A good turnout was on hand to welcome the guest speaker, Mike Bosarge, PE, who came up from Mobile to make the presentation. This is one of the planned activities by the local section for technical information dissemination for the automation community.

Mr. Bosarge and the attendees were welcomed by ISA Birmingham Section President, Jim Key (SCS), who noted the section plans and upcoming events as the section year comes to a close. Mark Childs (W.G. Yates Company) introduced the speaker, who gave a very interesting talk on “Control System Modernization Projects – Upgrade, Migrations, or Rip and Replace”.

A nice crowd gathered in the W. G. Yates office to hear the technical presentation by Mike Bosarge of Automation + Control Engineering in Mobile.
The session began at 4:00 PM with introductions and announcements, followed by the technical presentation.
From the left: Mark Isbell (ISA Birmingham Program Chair), Mike Bosarge, PE (Speaker), and John Cover (ISA Member)
Patrick Joseph (Treasurer), Yao Wang (Student Coordinator), Chris Sorensen (Section Marketing), and Meg Moore (Section Vice President) talk over some strategies for the ISA Birmingham Section.
Need to Spread the Word

Please make this information available to those who are interested in a beneficial training opportunity locally. The enrollment form is shown below and this educational venture is perfect for technicians, engineers, sales personnel, operations staff, maintenance personnel, and anyone needing a basic understanding of automation, instrumentation and control principles. Also, this class is an excellent source of professional development hours (PDH) for those needing credits for licensure and certification activity.

49TH Annual “Fundamentals of Industrial Automation, Instrumentation and Control” training class.
When: May 7 – 9, 2019 (8:00 AM until 4:00 PM)
Where: KBR Engineering
Cost: $795
Please note that ISA Members receive an additional $100 discount to the posted fee.

For more information about the course or area lodging, contact Gerald Wilbanks, (205) 566-9801, or e-mail to gwilbankspe@charter.net.

ISA Link to Register for the course:

https://www.isa.org/events-conferences/events-calendar/event-details/?productId=62875972

ISA Birmingham Leaders 2018 – 2019

Visit the ISA Birmingham web site: www.isa.org/birmingham

President: Jim Key – Southern Company Services (jimkey@southernco.com)
Vice President: Meg Moore – W.G. Yates Company (mmoore@wgyates.com)
Treasurer: Patrick Joseph – Southern Company Services (pvjoseph@southernco.com)
Secretary: John Cover – A&E Engineering (cover.john5@gmail.com)
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Kiumars Bahri – Southern Company Services (kbahri@aol.com)
Mark Your Calendar:

49th Annual training class: “Fundamentals of Industrial Automation, Instrumentation, and Control”
   May 7 – 9, 2019 (8:00 AM until 4:00 PM)
   Location: KBR Engineering in Birmingham
   Information and registration information:
   
   https://www.isa.org/events-conferences/events-calendar/event-details/?productId=62875972

ISA Birmingham Section Honors & Awards Dinner
   When: Tuesday – May 14, 2019
   Where: Red Lobster Restaurant – Highway 31 in Vestavia
   Why: To recognize the awardees, welcome new officers, and host the former ISA Birmingham Section Presidents.
   Cost: Section pays for dinner for all awardees, member spouses, and former presidents.

Anyone with suggestions as to program topics and presentations, should contact Mark Isbell at misbell@wgyates.com, with ideas and suggestions.

Dilbert Funnies
Technical Brain Teaser:

A plant has a 30-foot high water tank mounted on top of a 70-foot platform. What is the water level in the tank, if a pressure gauge on the first floor, height 5 feet, reads 40 psig?

22.3
27.3
30
10

Scroll Down for the Solution

Answer
You must take the platform height into account and remember that the gage reading is in psig. The specific gravity of the fluid is 1.0, since the material is stated as water. Therefore, you need to convert pounds per square inch into feet of water to have usable units. A key factor is to subtract the 65 feet from the reading to get the level of water in the 30 foot tank.

\[
P = 40 \text{PSIG} \\
P = \frac{40 \text{#}}{\text{in}^2} \times \frac{2.31 \text{ ft H}_2\text{O}}{\text{#}/\text{in}^2} \\
P = 92.4 \text{ ft H}_2\text{O} \\
\text{LEVEL} = 92.4' - 65' = 27.4' \\
\]

Answer is B 27.3