Thursday, January 24th Training

Risk Analysis for SIS
Facilitator: Alan Potts
NBR Inc.

Come learn more about Safety Instrumented Systems!

A SIS is engineered to perform “specific control functions” to fail-safe or maintain safe operation of a process when unacceptable or dangerous conditions occur. Safety Instrumented Systems must be independent from all other control systems that control the same equipment in order to ensure SIS functionality is not compromised. SIS is composed of the same types of control elements (including sensors, logic solvers, actuators and other control equipment) as a Basic Process Control System (BPCS). However, all of the control elements in an SIS are dedicated solely to the proper functioning of the SIS.

5:30pm Sign-In, Socializing, Heavy Appetizers
6:00pm Training Presentation
7:30pm Q&A.

Location:
Jacobs Engineering, 2020 SW Fourth Avenue, 3rd Floor
Portland, Oregon 97201
United States (503) 235-5000

Thank You To Our Sponsors:

Jacobs Engineering
2020 SW Fourth Avenue, 3rd Floor
Portland, Oregon 97201
President’s Message

I hope everyone had a great Christmas and New Year. After taking the last two months off, we are ready to kick off 2019 with our meeting on January 24th. The speaker will be Alan Potts and he will be talking about Risk Analysis for Safety Instrumented Systems. Alan is a Retired I&C Engineer with over 37 years of experience. I look forward to what he is going to share with us.

The following month, J Parsons with Jacobs, has volunteered to speak about Data Analytics. Then in March we will have a speaker for Semiconductor Tool Process Control. Thanks to all these speakers for volunteering their time and sharing their knowledge with us.

Congratulations to the seven automation professionals who recently joined ISA. You have joined a professional organization that has much to offer in terms of technical knowledge, standards, and networking with your fellow automation professionals.

I look forward to seeing you at an event soon,

Johnny Trumps,
President - ISA Portland
Email: contact@internationalsocietyofautomationpdx.org
Phone: 541-908-1366
Twitter: @isapdx

Member Recognition

Do you know a member you would like to recognize (i.e. Did a presentation, got a professional license, got published)
Contact the ISA Secretary at contact@internationalsocietyofautomationpdx.org and we will put it in the next newsletter.
Members,

Last Fall was an informative and fun season for the Portland Chapter. Let’s take a look back at some of the highlights from this past season’s meetings.

Portland ISA members gather at the Jacobs building in downtown Portland for a roundtable discussion on Control Networks.
The final presentation of the year by Miles Lansbury from MSA. The presentation was on the fundamentals of gas detection.

Thanks for a great fall season! Looking forward to Spring 2019.
Welcome New Members to the ISA Portland Section

These new members are testament to our growing ISA Portland Section. Welcome to ISA and the ISA Portland Section! Looking forward to meeting you and other members at an upcoming meeting!

Daniel Waring  
Feng Xu  
Aaron Sullivan  
Darryl Forsman  
Paul Nelson  
Derek Wilson  
Kimberly Miller

Want to Advertise to Oregon’s Local Controls Professionals?

Why not advertise with the ISA Newsletter and Website?

Also, your advertising dollars are put directly back into supporting local ISA programs.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Page</td>
<td>$200</td>
</tr>
<tr>
<td>1/2 Page</td>
<td>$100</td>
</tr>
<tr>
<td>1/4 Page</td>
<td>$80</td>
</tr>
<tr>
<td>Business Card</td>
<td>$40</td>
</tr>
</tbody>
</table>

Your company name and logo will appear on the newsletter.

Be the first name on their minds for the next big job!

For more information contact:

John Scharosch  
503.784.8274  
jdscharosch10@gmail.com

AUTOMATION POP-QUIZ

In order to measure fluid flow with a Doppler type ultrasonic flow meter, the flowing stream must ____ to reflect the sonic pulses.

A. Contain particulate matter *  
B. Flow at a rate of 100 gallons per min, or more  
C. be conductive  
D. have a very low viscosity

Answer on Page 7.

The FIRST correct answer wins a prize!!  
To be awarded at February section meeting.
Thursday Night, January 24th

“Process Hazards Risk Analysis for Safety Instrumented Systems”

By: Alan Potts

Engineer (Semi-retired) KBR Inc.

Alan is a semi-retired Automation and Controls (A&C) Engineer with 37 years of experience working in the Chemical Process Industry, most of it with The DuPont Company. Alan spent most of his career working on Project Teams executing large capital projects to build new manufacturing facilities worldwide. During his tenure at DuPont, he also had an opportunity to work as a Six Sigma/Lean Manufacturing practitioner focused on Capital Project planning and execution and as a Strategic Buyer developing Global Procurement strategies for engineered equipment and engineering services.

Alan and his wife, Judy, are new to the Portland area, and although pretty much retired, Alan does some part-time engineering work for KBR Inc., a Global Engineering and Construction Contractor.

Join us for this informative session, beginning at 5:30 p.m.

Jacobs Engineering,
Jacobs Hood Conference Room
2020 SW 4th Avenue, Suite 300
Portland, OR 97201

5:30 pm - Sign In and Socializing.
Appetizers will be served.

6:00 pm - Presentation

7:00 pm - Socializing and Q&A
## Portland Oregon Section

### 2018-2019 Programming Schedule

**ISA Portland Section (Current as of 01/15/19)**

(Watch the *Relay* newsletters and Section website for specifics and changes)

[http://www.isa.org/portland](http://www.isa.org/portland)

<table>
<thead>
<tr>
<th>DATE</th>
<th>FORMAT</th>
<th>TOPIC</th>
<th>SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>27-Sep-18</td>
<td>General Meeting</td>
<td>Control Network Roundtable Discussion</td>
<td>Johnny Trumps</td>
</tr>
<tr>
<td>25-Oct-18</td>
<td>General Meeting</td>
<td>Fundamentals of Gas Detection</td>
<td>Miles Lansbury</td>
</tr>
<tr>
<td>November</td>
<td>No Meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>December</td>
<td>No meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24-January-19</td>
<td>General Meeting</td>
<td>Risk Analysis for Safety Instrumented Systems</td>
<td>Alan Potts</td>
</tr>
<tr>
<td>21-February-19</td>
<td>General Meeting</td>
<td>Data Analytics for Control Systems</td>
<td>J Parsons</td>
</tr>
<tr>
<td>28-March-19</td>
<td>General Meeting</td>
<td>Semiconductor Tool Process Control</td>
<td>TBA</td>
</tr>
<tr>
<td>25-April-19</td>
<td>General Meeting</td>
<td>System Modeling from Data</td>
<td>Frank Rytkonen</td>
</tr>
<tr>
<td>23-May-19</td>
<td>General Meeting</td>
<td>Cybersecurity</td>
<td>TBA</td>
</tr>
</tbody>
</table>

**ANSWER TO TRIVIA QUESTION:**

The correct answer is **A**; In order for ultrasonic flowmeters to work there must be particulate pattern in the stream.

Portland Oregon Section

Section Officers 2018/2019

Johnny Trumps
President / Delegate
PacifiCorp
trumpsj@gmail.com
541-908-1366

John Scharosch
Treasurer / Past President
NIETC
jdscharosch10@gmail.com
503-784-8274

Frank Rytkonen
Secretary / Education Chair
Jacobs
rytko@yahoo.com
503-533-5361

Brendan Lennon
Webmaster / Newsletter Editor
Harris Group
Brendan.Lennon@HarrisGroup.com
971-288-8331

Gary Hinterlang
Historian
CB Pacific
gary.hinterlang@cb-pacific.com

John Beaudry
Membership Chair
Jacobs
john.beaudry@jacobs.com
503-730-4781

J Parsons
Section Division Liaison
Jacobs
j.parsons@jacobs.com
503-616-6753
You've got the knowledge, education, and skills. Now prove it.

CAPs are responsible for the direction, design, and deployment of systems and equipment for manufacturing and control systems.

CCSTs calibrate, troubleshoot, and repair/replace instrumentation for measurement and control systems.

CIMMs are responsible for preventive, predictive, and corrective maintenance.

Electronic Testing Now Available.
Get certified when and where it's convenient for you. Hundreds of locations around the world are available.

Contact ISA for additional information on any of these programs: (919) 549-8411
www.isa.org/certify • info@isa.org