Thursday, January 23rd Training

Asset Condition Monitoring
Billy Gilkerson

Come learn more about Asset Condition Monitoring

Specific topics of discussion include the following:

- Industrial Applications.
- Machine Criticality.
- General Review of Transducer Types, Selection and Application.
- Control System integration of Monitoring Equipment

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

The Relay Newsletter
January 2020

Notable On-Line Courses
Basic Process Control Library
Process Measurement Library
Calibration & Test Equipment Library
Continuous Process Control Library
Control Valves & Actuators Library
Electronic Maintenance Library
(See Calendar at www.isa.org)
President’s Message

I hope everyone had a great Holiday season. We have been off for the last two months and are excited for our next meeting on January 23rd. The speaker will be Billy Gilkerson with Bently Nevada and he will be talking about Asset Condition Monitoring. Billy has 35 years of experience doing sales, service, and training with Bently Nevada. I look forward to what he is going to share with us.

The following month, Randy Bates with Schneider Electric has volunteered to speak about Power Quality and Harmonics. Thanks to these speakers for volunteering their time and sharing their knowledge with our section.

Congratulations to the five 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 presentation from Tim Lekie on Wireless Mesh Networking for Instrumentation in October.
Top: ISA Section leaders meet during national conference in San Diego, CA.

Bottom: Executive Board members gather for January meeting to discuss chapter business. Thanks for a great Fall season! Looking forward to Spring 2020.
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!

Peter Guhl
Thomas Griffiths
James Metzger
Ciaran O Fatharta
Khalid Shiaa

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.

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For more information contact:

John Scharosch  
503.784.8274  
jdscharosch10@gmail.com

AUTOMATION POP-QUIZ

4. Which of the following is NOT a variable speed drive setup parameter?

A. Acceleration rate.
B. Motor winding type.
C. Output frequency.
D. Maximum speed.

Answer on Page 7.

The FIRST correct answer wins a prize!!
To be awarded at January section meeting.
Thursday Night, January 23rd

“Asset Condition Monitoring”

By: Billy Gilkerson

BENTLY NEVADA

Billy has 35 years of service at Bently Nevada with experience in machine condition monitoring, computer networking, and software in Power, O&G, and other industries. His experience includes sales, service, and training. As an Application Solution Architect, he worked to research and apply technical solutions for customer problems.

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
# 2019-2020 Programming Schedule

**ISA Portland Section (Current as of 01/01/2020)**

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

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

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<th>DATE</th>
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<td>General Meeting</td>
<td>Flame Detection Technologies</td>
<td>Dave Opheim - MSA</td>
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<td>24-Oct-19</td>
<td>General Meeting</td>
<td>Wireless Mesh Networks</td>
<td>Tim Lekie – Emerson</td>
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<td>November</td>
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<td>December</td>
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<tr>
<td>23-January-20</td>
<td>General Meeting</td>
<td>Condition Monitoring</td>
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<td>27-February-20</td>
<td>General Meeting</td>
<td>Power Quality and Harmonics</td>
<td>Randy Bates</td>
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<td>26-March-20</td>
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<td>23-April-20</td>
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<td>Cybersecurity</td>
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<td>28-May-20</td>
<td>General Meeting</td>
<td>BIM Future of Automated Construction</td>
<td>TBA</td>
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**ANSWER TO TRIVIA QUESTION:**

The correct answer is B. Motor winding type.

Portland Oregon
Section

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CALL FOR ABSTRACTS

This event encompasses advances in connectivity, automation, and security within the operational context of hybrid manufacturing applications across multiple vertical industries and focuses on real-world applications that examine the challenges of adoption, integration, and implementation of new technology.

PROPOSED TOPICS

System Design/Preparation
- Artificial Intelligence
- Batch Size 1
- Big Data
- Cloud Computing
- Concurrent Engineering
- Cybersecurity
- Data-Driven Design and Engineering
- Data-Driven Quality Management
- Edge/Fog Computing
- IIoT Architecture
- IIoT/IOT
- Intelligent Lots
- Rapid Experimentation and Simulation
- Real-Time Production Optimization
- Simulation (Digital Twin)
- Smart Sensors

System Integration/Implementation
- 3-D Printing
- Advance Control
- Augmented Reality
- Customer Co-Creation and Open Innovation
- Data-Driven Demand Prediction
- Flexible Manufacturing
- Predictive Maintenance
- Remote Control
- Remote Maintenance
- Robots/Cobots
- Smart Energy Consumption
- Smart Performance Management
- Statistical Process Control
- System Integration
- Virtually Guided Self Services