Thursday, May 28th Training

High Performance HMI
Brendan Lennon

Come learn more about High Performance HMI

Specific topics of discussion include the following:

- HMI Performance Assessment
- HP HMI Philosophy and Style
- General Review of HMI Design History
- HP HMI Best Practices

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

Location:

Online through MS Teams, unless Covid-19 restrictions dictate otherwise. Look for link in meeting reminder email!

Jacobs Engineering,
2020 SW Fourth Avenue, 3rd Floor
Portland, Oregon 97201
United States (503) 235-5000
President’s Message

I hope everyone is doing well and staying healthy during this unprecedented time. We had to cancel our March meeting due to the coronavirus shutdown. We almost canceled our April meeting too but instead held it virtually. It is the first time our section did a virtual meeting and it was a success. Susan Howard did an excellent job sharing with us how the Federal Government Implements Cybersecurity for its Industrial Control Systems, and the members that attended used the virtual platform well to engage with her.

Expect that we will either be holding more virtual meetings or, when we are able to meet in person again, providing a virtual option for those who cannot be there. To that point, our May meeting be held virtually. The speaker is our section Secretary, Brendan Lennon, and he will be discussing how to build High-Performance HMIs. Like normal, we will not be having meetings in June, July, or August, so enjoy your summer. I hope when we return in the fall that we will be able to meet in person.

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@internationalsofautomationpdx.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@internationalsofautomationpdx.org and we will put it in the next newsletter.

Get Connected
When you join ISA, membership in any of ISA’s technical divisions connects you to a group of people around the world who work in your industry and have similar technical interests.

Division membership enhances your career, giving you more of what you need to succeed. You’ll get the most from ISA divisions by joining at least two—one that represents your industry and one for the technical specialty you practice.

Members can join two divisions for FREE!
Members,

This season was a little out of the ordinary for the Portland Chapter due to Covid-19 restrictions. But let's take a look back at some of the highlights from earlier in season.

Portland ISA members gather at the Jacobs building in downtown Portland for a presentation from Billy Gilkerson on Asset Condition Monitoring in January.
Billy Gilkerson discusses the importance of machine vibration measurement locations in the January 2020 meeting.
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!

Conan Griffiths
Duane North
Skylar Fanyutti
Max Villagran
William Buehler

AUTOMATION POP-QUIZ

Which one of the following flow sensors naturally generates a pulsed output as a representation of the flow rate:

A. orifice plate with differential pressure transmitter
B. thermal mass flowmeter
C. turbine meter
D. magnetic flowmeter

Answer on Page 7.

The FIRST correct answer wins a prize!!
To be awarded at May section meeting.

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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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
Thursday Night, May 28th

“High Performance HMI”

By: Brendan Lennon

DAIMLER TRUCKS NORTH AMERICA

Brendan has 15 years of experience in instrumentation and controls engineering with expertise in human machine interface design, logic programming, computer networking, and software in Power, Manufacturing, and other industries. His experience also includes testing, service, and training. Now, as an Operations Technology Engineer, he is working to implement the latest in ICS security, IIOT, and MES to bring the latest technical solutions for manufacturing controls.

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

TYPICALLY, THIS MEETING WOULD BE HELD AT JACOBS, HOWEVER, WITH THE NEW REQUIREMENTS OF THE COVID-19 ISSUE, AN MS TEAMS ONLINE PRESENTATION WILL BE CONDUCTED. A LINK WILL BE SENT TO EVERYONE’S EMAIL

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

5:30 pm - Sign In and Socializing
6:00 pm - Presentation
7:00 pm - Socializing and Q&A
# 2020 Programming Schedule

**ISA Portland Section**  (Current as of 05/01/2020)
(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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<tr>
<td>28-May-20</td>
<td>General Meeting</td>
<td>High Performance HMI</td>
<td>Brendan Lennon</td>
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<td>June-20</td>
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<td>July-20</td>
<td>No Meeting</td>
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<td>August-20</td>
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<tr>
<td>24-September-20</td>
<td>General Meeting</td>
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<td>22 October-20</td>
<td>General Meeting</td>
<td>TBD</td>
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<td>November-20</td>
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<tr>
<td>December-20</td>
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**ANSWER TO TRIVIA QUESTION:**

The correct answer is C, “turbine meter.” Turbine meters almost universally use a magnetic pickup to determine the number of rotations of the spinning turbine element. Each time a magnetized blade passes the pickup sensor, a pulse is generated. The volumetric flow rate can be determined by counting the number of pulses in a unit of time.

**Reference:** [https://instrumentationtools.com/certified-automation-professional-cap-exam-questions/](https://instrumentationtools.com/certified-automation-professional-cap-exam-questions/)
Section Officers 2020

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International Society of Automation:
Delivering Standards-Based Technical Resources to the Industrial Automation Community

The International Society of Automation is a nonprofit professional association that sets the standard for those who apply engineering and technology to improve the management, safety, and cybersecurity of modern automation and control systems used across industry and critical infrastructure.

Founded in 1945, ISA develops widely used global standards; certifies industry professionals; provides education and training; publishes books and technical articles; hosts conferences and exhibits; and provides networking and career development programs for its 40,000 members and 400,000 customers around the world.

Industries we serve:
- Chemicals
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- Petroleum Refining
- Pharmaceuticals
- Pulp and Paper
- Automotive
- Pipeline and Natural Gas Utilities
- Electrical Utilities
- Water/Wastewater Utilities
- Engineering and Construction Firms
- Systems Integrators

Technical topics we specialize in:
- Control Systems
- Communications
- Measurement and Control
- Plant Maintenance and Operations
- Energy
- Safety
- Cybersecurity
- Symbols, Terminology, and Documentation
- Asset Management and Enterprise Integration
- Building Automation

How does ISA and its brand family bring value to automation professionals?

For engineers, technicians, and management engaged in industrial automation, ISA is the trusted provider of standards-based foundational technical resources, driving the advancement of individual careers and the overall profession.

ISA’s brand family exists to serve automation professionals around the world. ISA’s brand family includes:

- **ISA**: ISA delivers cutting-edge, peer-reviewed technical resources
- **Automation Federation**: The Automation Federation unifies stakeholders around cybersecurity, workforce development, and STEM initiatives
- **ISASecure**: ISASecure® offers standards-based industrial cybersecurity conformance assessments
- **ISA100 WCI**: ISA100 WCI offers standards-based wireless conformance assessments
- **Automation.com**: Automation.com delivers real-time automation news and digital content

For more information about ISA’s brand family, visit [www.brandfamily.isa.org](http://www.brandfamily.isa.org).