

Robotics for Inspection & Maintenance Forum

JUNE 26 – 27, 2018

**PRCI's Technology Development Center
Houston, Texas**

**REGISTER BY JUNE 8
AND SAVE \$100**

Join us at ASME's Robotics for Inspection and Maintenance Forum (RfIM) and learn from industry leaders and decision makers how to apply the latest robotics and unmanned aerial systems (UAS) technologies to your business and incorporate advanced data analytics to increase safety, lower the cost of inspection or maintenance of industrial assets and improve your business outcomes.

Our Program

Presentations, panel discussions, case studies and live demonstrations will enable participants to:

- ✓ Contextualize how technology solutions are changing business models and enhancing business transformation.
- ✓ Experience innovative technologies by the leading robotics companies.
- ✓ Guide the value chain to meet industry needs.
- ✓ Optimize asset management through data analytics, data workflow, modeling, digital twin and artificial intelligence.
- ✓ Drive technology adoption through knowledge dissemination, workforce development, standards development, and conformity assessment solutions.
- ✓ Engage the regulatory agencies, inspection certification organizations, and notifying bodies.

Companies You Can Expect to See

American Petroleum Institute
Avitas Systems, A GE Venture
Cyberhawk Innovations
Diakont
DNV GL
Doosan Babcock
IBM Watson
JIREH Industries
Shell
Sonomatic
Southwest Research Institute
Texas Department of Licensing and Regulation
And More!

Who Should Attend?

NDT managers, asset managers, inspectors, purchasing managers, outage planners, turnaround planners, and engineers in the oil & gas, power generation, and pipeline industries who are focused on deploying or using new robotics technologies.

roboticsforinspection.asme.org



Program Agenda

Tuesday, June 26

7:30am - 8:30am | Breakfast - Networking
8:30am - 8:40am | Welcome
8:40am - 8:45am | Safety Briefing
8:45am - 9:15am | Keynote: Digital Enablement through Automation and AI
9:15am - 10:00am | Panel: Challenges for Asset Owners to Meet Inspection Needs and Increase Asset Optimization
10:00am - 10:20am | Coffee Break - Networking
10:20am - 10:45am | Case Study: UAV Multipoint Pipeline Inspection
10:45am - 11:10am | Case Study: UAV Fugitive Methane Detection
11:10am - 11:15am | Demonstration Session 1 - Overview
11:15am - 11:45am | Demonstration - UAV Multipoint Pipeline Inspection
11:45am - 12:15pm | Demonstration - UAV Fugitive Methane Detection
12:15pm - 1:00pm | Lunch - Networking
1:00pm - 1:45pm | Panel: Impact of Robotics on Improving Asset Inspection and Maintenance
1:45pm - 2:10pm | Case Study: Robotic Inspection of In-Service Water or Petrochemical Storage Tank Bottoms
2:10pm - 2:35pm | Case Study: Real-Time Detection of Small Hazardous Liquid Pipeline Leaks Using Remote Sensing and Machine Learning
2:35pm - 3:00pm | Coffee Break - Networking
3:00pm - 3:25pm | Case Study: Sub-sea Robotic Inspections
3:25pm - 3:50pm | Case Study: Confined Space Inspection with UAS
3:50pm - 3:55pm | Demonstration Session 2 - Overview
3:55pm - 4:25pm | Demonstration: Robotic Crawler for Scanning and Inspection
4:25pm - 5:00pm | Demonstration – (coming soon)
5:00pm - 6:30pm | Reception - Networking

Wednesday, June 27

7:30am - 8:30am | Breakfast - Networking
8:30am - 8:35am | Agenda Review
8:35am - 8:40am | Safety Briefing
8:40am - 9:25am | Panel: Leveraging Robotics, Data Analytics and Digital Twin to Transform Business Decisions
9:25am - 9:50am | Case Study: Remote and Confined Space Inspection and Manipulator Systems
9:50am - 10:10am | Coffee Break - Networking
10:10am - 10:35am | Case Study: New Concept inspections for CUPS (Corrosion Under Pipe Supports) and TAPS (Tank Annular Plate Scanner)
10:35am - 11:00am | Case Study: Corrosion Under Insulation (CUI) Intelligent Inspection Planning Tool for Pipelines
11:00am - 11:25am | Case Study: Digital Twin for Operations Management
11:25am - 11:30am | Demonstration Session 3 - Overview
11:30am - 12:00pm | Demonstration: UAS with Real-time Video Data Analytics
12:00pm - 12:30pm | Demonstration - New Concept inspections for CUPS (Corrosion Under Pipe Supports) and TAPS (Tank Annular Plate Scanner)
12:30pm - 1:15pm | Lunch - Networking
1:15pm - 2:00pm | Panel: Ways Robotics Inspection Can Meet Current and Future Industry and Regulatory Compliance
2:00pm - 2:30pm | Open Discussion - Wrap up - Closing remarks

For the latest program updates
and to register online, visit
roboticsforinspection.asme.org.

