1-Day Seminar

Discover the Digital Oilfield

Implementing IIoT from the Field to the Cloud

Event Information

Date: Wednesday, July 25th, 2018

Time: 8a.m. – 4p.m. (Breakfast and Lunch included)

Location: Grand Hyatt Denver Conference Center | Mt. Elbert Room

Address: 555 17th Street, Denver CO

Co-Sponsors: Cirrus Link, FreeWave, Seeq, and Streamline Control Solutions

Program Agenda

8:00-9:00a.m. Registration and Breakfast

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9:00-9:30a.m. State of the Industry: Introduction and Overview

Speaker: Don Pearson, Chief Strategy Officer, Inductive Automation

Description: There is a sea change coming to the oil and gas industry. Between the price of oil, the demand by Industrial Oil and Gas organizations for the "Next Generation Open Automation System," and the convergence of operational technology (OT) and information technology (IT), the signs of this shift are everywhere. Inductive Automation, Streamline Control Solutions, Cirrus Link Solutions, FreeWave Technologies, and Seeq are collaborating to provide an innovative OT/IT solution to meet those technological and economic challenges now and in real time.

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9:30-10:00a.m. Industrial Automation Platform – Leveraging the power of Ignition
Speaker: Kevin McClusky, Co-Director of Sales Engineering, Inductive Automation

Description: Make your data more available, powerful, and efficient. Welcome to the next generation of software! We'll be introducing the Ignition Industrial Application Platform, a full SCADA and IIoT solution that provides visualization, history, and alarming, along with flexible connectivity to devices, databases, and other software systems. This will be a high-level overview and demonstration of Ignition and will provide a view of how it fits into the overall Digital Oilfield.

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10:00-10:15a.m. MQTT Demo – Installing and getting started with MQTT Modules

Speaker: Arlen Nipper, President and CTO, Cirrus Link Solutions

Description: Watch an installation of the Cirrus Link MQTT Modules, and see how this tool for connecting and delivering data works on a system.

10:15-10:45a.m. Delivering Ignition Edge MQTT to Unlicensed Wireless Networks with ZumLink and ZumIQ

Speaker: *Scott Allen, Chief Marketing Officer*

Session Description: FreeWave, a leader in rugged unlicensed RF solutions for wireless data transmission, has now integrated the Ignition Edge MQTT application into their newest intelligent radio platform, ZumLink 900 Series. This integration combines edge application deployment and a proven radio platform to provide a single intelligent hardware solution.

10:45a.m.-11:00a.m. Networking Break

11:00-11:45a.m. Transforming the Modern Oil Field: Moving to a Distributed Gateway Architecture

Speaker: *Charles Lame and Darick Yarbrough, Pioneer Natural Resources*

Session Description: Hear an interesting case study about how Pioneer is using Ignition to move from a single-server architecture to a scaled-out enterprise architecture with distributed services. Their large-scale implementation features more than 1,700,000 tags and 29,000-plus device connections, logging 52 million records per day and polling 160,000,000 tags overall.

11:45a.m.-12:30p.m. Midstream Middleware – An Evolutionary Journey with MQTT

Speaker: *Peter Boyle, Chief Operating Officer, Streamline Control Solutions*

Session Description: Gain insight into the innovative process Plains Midstream Canada used to move their SCADA serial communications infrastructure to middleware using MQTT. Hear the initial objectives behind the decision, the process to get there, the early stage benefits of the conversion, and more.

12:30-1:30p.m. Networking Lunch

1:30-2:00p.m. Advanced Analytics for O&G Operators

Speaker: *Mark Derbecker, VP Development, Seeq Corporation*

Session Description: Seeq is an advanced analytics solution that connects to Ignition system data to enable faster investigations and sharing of reports with colleagues. By leveraging machine learning, big data, and other innovations, Seeq enables oil & gas organizations to improve yield, quality, and asset availability metrics with root cause, near real-time, and predictive analytics.

2:00-2:10p.m. Introduction to the Ignition Oil and Gas Collective

Speaker: *Jonathan Hottel, EXCO Resources*

2:10-3:00p.m. Industry Panel – Ignition Oil and Gas Collective

Panelists: *Andrew Scott, Pioneer Natural Resources, Trent Bordreaux, TIGA, Brandon Davis, Devon Energy, Rob Warren, Deep Fork Automation, Jonathan Hottell, EXCO Resources*

3:15-3:45p.m. **EFM Solutions using MQTT Sparkplug**

Speaker: *Arlen Nipper, President and CTO, Cirrus Link Solutions*

Session Description: Get an overview of sending EFM data using MQTT and the new RECORD verb in Sparkplug for Events, Alarms and History. A live demonstration of end to end data from Emerson Roc Flow Computers, into Ignition and the new Recorder module.

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4:00p.m. **Program Ends**

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Questions?
If you have questions about this event, please contact
Kristine Zukose at 1-800-266-7798 or kzukose@inductiveautomation.com

Register for free at:

http://bit.ly/DiscoveryDayDenver