



September 16, 2015 – Denver, Colorado

# Upstream Oil & Gas and Wireless Solutions Conference

## Schedule of events

Power and productivity  
for a better world™



# Welcome to Denver

## Reception – Wednesday night



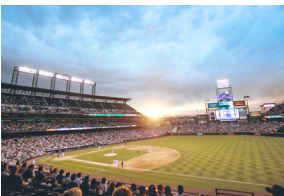
Join us after classes are over for a reception in the Press Club. Relax with friends and colleagues as we celebrate a successful event. Drinks and hors d'oeuvres will be provided as well as prizes throughout the event. Come join us!

## Leave the cooking to us



ABB is hosting lunch during the conference so you can focus on the information and material being presented throughout the day. ABB trainers and staff will be on hand to discuss, answer questions and provide more information during the break.

## Win tickets to a Colorado Rockies game



We will be giving away tickets to a Rockies baseball game on September 29, a Nike golf bag, a Pelican cooler, a Callaway golf club, a Leatherman knife, and a \$100 Best Buy gift card! Drawings will be held during lunch and the reception, and you must be present to win!

\*You must provide a business card to enter the drawings.

# Superior products

Whatever your application, ABB provides a wide range of instrumentation, analyzers and automation solutions for the upstream oil and gas chain to help you manage your operations safely, productively and profitably.



**1 Oil, Gas, and Water Flow | 2 Multivariable | 3 Flow Computers / RTU | 4 Wireless  
5 Pressure and Temperature | 6 Level | 7 Valve Control | 8 Analyzers**

## Upstream solutions – Measure, automate, and optimize your field

As a leader in automation to the oil and gas industry, ABB Upstream offers a complete solution comprising of primary meters, transmitters and our flow computers. ABB's automation intelligence technology enables you to make more profit in a sustainable way.

## Wireless solutions – Increase exploration and production efficiency

ABB Wireless networks meet the communications needs of oil and gas exploration and production, delivering reliable, high capacity networks that operate over large areas under extreme conditions to increase operational efficiency and safety.

# Class descriptions

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## Boosting Performance with Wireless Solutions

### Trainer – Renner Vaughn

ABB Wireless improves existing operations, giving companies cleaner real time data without great expense. Providing industry leading solutions is what we are about.

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## Coriolis / Mag Flow Measurement

### Trainer – Michael Kohlmann

Overview of flow measurement, Coriolis, electromagnetic and mechanical flowmeters, including applications, sizing and proper installation, and the differences and uses for each.

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## DP / Vortex Flow Measurement

### Trainer – Kevin Green

Overview of differential pressure and vortex flow measurement, differences between meters, pros and cons of use, product installation, and the different applications and benefits of the flow meters.

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## Field Instrumentation Devices

### Trainer – Jim Holden

Review of the features and benefits of monitoring and control with ABB's pressure, temperature, I/P converter and new multivariable transmitter.

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## Field Troubleshooting

### Trainer – Brad Sanford

Common troubleshooting scenarios faced in the field. Covering all products and including communication, hardware and software.

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## Flare Gas Measurement

### Trainer – Kevin Green

An introduction to flare gas measurement and overview on system requirements, flow meter solutions and how to overcome obstacles to measure this application.

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## Flow Computer Applications

### Trainer – Zach Galloway

Overview of selectable units, app instantiation and licensing, AGA3, AGA7, V-cone, NIST 14 gas, NIST 14 liquids, wedge gas, flow nozzle, API liquids, Coriolis, meter installation and hands-on AGA3 tube setup.

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## Level Measurement and Applications

### Trainer – Jim Holden / Scott Cochran

Learn how to keep production on line and safe for personnel and the environment with contact and non-contact technologies.

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## NGC Overview

### Trainer – Scott Silvi

The class equips the students with a basic understanding of chromatography through configuration of the ABB chromatograph.

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## Reduce Costs with Wireless Solutions

### Trainer – Renner Vaughn

ABB Wireless provides solutions that increase productivity, safety and performance while reducing operational cost. Doing more with less cost is what we are about.

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## Site Automation

### Trainer – BJ Walker

An overview of automation and artificial lift applications / capabilities within ABB's flow computers and remote controllers.

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## Spirit IT Liquid Flow Computers / System

### Trainer – Ed Smyth

Introduction to the FlowX liquid & gas flow computer, eXLerate software, their capabilities and unique web user interface. Examples include applications in pipelines, custody transfer, LACT, ACT and total station measurement.

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## Totalflow FCU / RTU Overview

### Trainer – Matt Weadley

Overview of standard hardware and software capabilities within ABB's flow computers and remote controllers.

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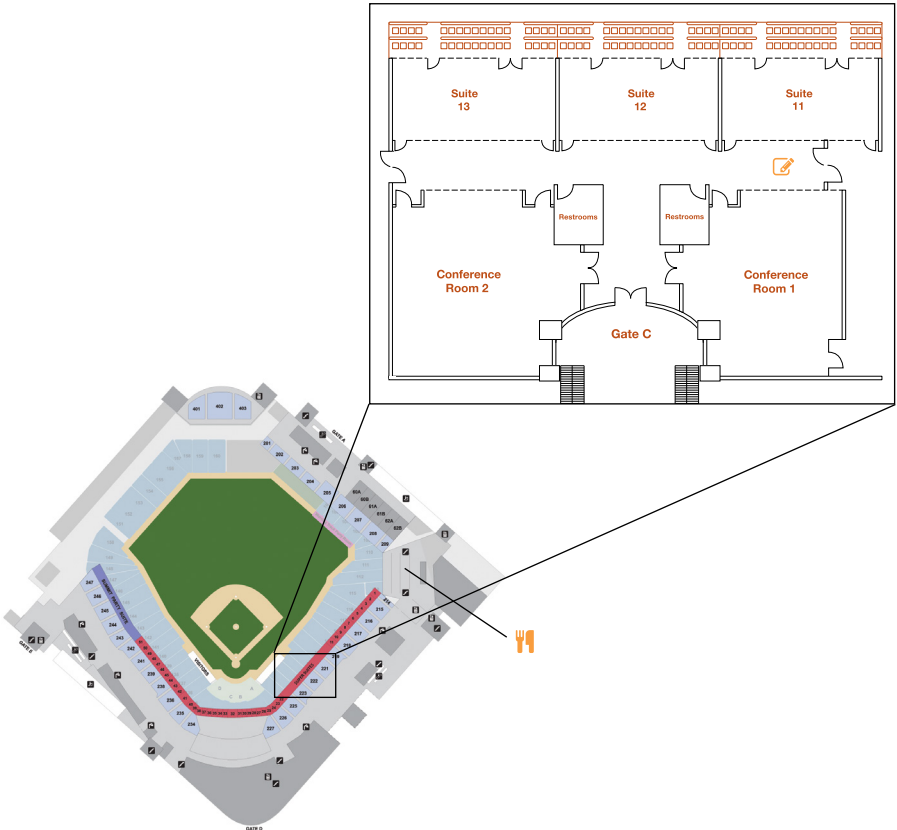
## Ultrasonic Level / Chemical Application

### Trainer – BJ Walker


An overview of chemical tank level management and chemical injection control.

# Schedule of events

This year's schedule format allows you to attend more in-depth classes on new and existing products, as well as application-specific topics including chemical applications, broadband wireless communications, and full site automation.



# Use #ABBupstreamCO in all of your social media posts!

6.45a – 8.00a	 Registration	Landing area
8.00a – 8.30a	General Session	Conference 2
8.45a – 10.00a	Site Automation	Conference 1
	Field Troubleshooting	Conference 2
	Coriolis / Mag Flow Measurement	Suite 11
	Field Instrumentation Devices	Suite 12
	Reduce Costs with Wireless Solutions	Suite 13
10.15a – 11.30a	Spirit IT Liquid Flow Computers / System	Conference 1
	Totflow FCU / RTU Overview	Conference 2
	DP / Vortex Flow Measurement	Suite 11
	Ultrasonic Level / Chemical Application	Suite 12
	Reduce Costs with Wireless Solutions	Suite 13
11.30a – 12.30p	 Lunch	Mountain Ranch
12.30p – 1.45p	Site Automation	Conference 1
	NGC Overview	Conference 2
	Coriolis / Mag Flow Measurement	Suite 11
	Field Instrumentation Devices	Suite 12
	Boosting Performance with Wireless Solutions	Suite 13
2.00p – 3.15p	Spirit IT Liquid Flow Computers / System	Conference 1
	Totflow FCU / RTU Overview	Conference 2
	Flare Gas Measurement	Suite 11
	Level Measurement and Applications	Suite 12
	Flow Computer Applications	Suite 13
3.30p – 4.45p	Field Troubleshooting	Conference 1
	Flow Computer Applications	Conference 2
	Level Measurement and Applications	Suite 11
	Ultrasonic Level / Chemical Application	Suite 12
	Boosting Performance with Wireless Solutions	Suite 13
5.00p – 5.15p	Final Assembly	Conference 2
5.15p – 8.00p	Reception	Press Club

# Contact us

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## **Follow us on social media!**

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