

February 16 - 19

2010 Totalflow Measurement and Automation Conference

Power and productivity
for a better world



2010 Totalflow Measurement and Automation Conference

Come learn from industry and ABB experts on topics ranging from Artificial Lift to Design of Realtime Systems as well as Natural Gas Measurement. This year's conference features many exciting changes. More industry experts than any other year will be participating. Our guest speaker is scheduled to kick off the conference first thing Wednesday morning. **Breakout Sessions will feature multi-session classes (basic & advanced).** These classes will be scheduled so that you can attend both sessions or choose the session that fits your needs. See the schedule on the back for more information.

Guest Speaker:

This year's guest speaker will be Mr. Michael J. Economides. A chemical and petroleum engineer and an expert on energy geopolitics. **With 15 textbooks and almost 300 journal papers and articles,** his works are referenced by almost all practitioners in the field. Following his 2000 best seller *The Color Of Oil* and a large number of publications in international magazines, he is considered by many as the premier world expert on the geopolitics of energy, giving about 50



speeches per year to groups from many large professional societies, organizations and corporations. He is a frequent guest on national and international media, appearing on CNBC, Fox News, Canada's Business News Network, BBC World Service and many local stations throughout the world.

Free Training (Tuesday & Friday)

PROTOCOL CLASS **NEW!**

This new protocol class is designed to include overview and detailed training on ABB Totalflow's binary protocols. Distinctions between DB1 and DB2 protocols will be explained in the overview. Also included in the overview will be explanations of various methods of interfacing systems to ABB Totalflow devices in the field. From there the class will provide details of the DBII Packet protocol TCI Toolkit fundamentals, diagnostics and best practice implementations. Topics covered will include the use of the Toolkit test program (TCITest), protocol timing issues, and the basics DBII data structures and how they are packetized. At the completion of the course you should be able to

recognize DBII transactions, the difference between a successful transaction and a failure (NAK), and be able to see how to best use protocol requests to optimize communication with Totalflow devices.

NGC CLASS

presenter: Colby Waldo

The NGC training class is designed to equip the student with a basic understanding of chromatography through configuration of the ABB Totalflow NGC 8206 chromatograph. This will be done by covering topics such as, installation, diagnostics, peak find, calibration, flash loader, configuration downloading, trending, historical collection, reports, and communications.

XSERIES CLASS

presenter: Steve O'bannon

This free one day class is designed as an overview to the G4 XSeries. The G4 is Totalflow's latest and most advanced generation of Flow Computers. Topics scheduled to be discussed are: Introduction to the G4, Setup, Application Array Registers (App Array Registers), Collecting and Saving Data, Trending, Remote Communications, Display Programming and Save and Restore utility.

PRODUCTION AUTOMATION CLASS

presenter: Steve O'bannon

The XSeries G4 Flow Computer has advanced capabilities for automation and enhanced well production such as valve control and plunger lift. This free one day class is designed as an overview of some of the automation features Totalflow's FCU offers. Topics scheduled to be discussed are: Plunger Lift, Gas Lift, Chemical Injection and Soap Launch.

WHO SHOULD ATTEND?

- Production Engineers and Managers
- Automation Engineers and Managers
- SCADA Engineers and Managers
- IT professionals
- Communications Specialists
- Measurement Managers
- Measurement Engineers
- Measurement Technicians

WHAT IS OFFERED?

- **Breakout Sessions**
[comprehensive training on various aspects of our product offering]
- **Focus Sessions**
[cover broad areas of interest and, in many cases, are conducted by an outside industry expert]
- **Round Table Discussions**
[consist of a Totalflow representative introducing a topic and participants share their thoughts, interest, desires, concerns and needs]
- **Listening Posts**
[provide venues where you can enter into one-on-one conversations with Totalflow designers, engineers and other experts]

Breakout Sessions

XSERIES BASIC (FCU/RTU)

G4 XSeries RTU installation and startup. Introduction to G4 and its differences from the G3.

XSERIES ADVANCED (FCU/RTU)

A discussion of the new G4 devices and their advantages (new applications, multi-tube, faster, etc.)

NGC SETUP & INSTALLATION

Presenter: Vickie Daniels

Session will focus on the standard installation and basic startup of the NGC including how to utilize the Startup Wizard.

NGC TROUBLESHOOTING AND DIAGNOSTICS

Presenter: Merle Bell

Session will focus upon diagnostics and testing techniques for situations involving communications, understanding chromatograms, network connectivity and calibration.

WINCCU BASIC

Introduction to WinCCU

WINCCU ADVANCED

Reporting, editor functions and data validation

BASIC I/O AND CONTROL WITH XSERIES

Onboard/TFIO Input and Output - Hardware wiring and software configuration

LEVELMASTER INSTALLATION AND CONFIGURATION

Presenter: Terry Gouge

LevelMaster installation, wiring procedures, application and software setup, trouble shooting and helpful hints. Also the additional parts and enhancements that have occurred over the past year.

SCADA VANTAGE

Presenter: Billy Barnes

An overview of how to use SCADA Vantage and Totalflow devices together for a SCADA solution. Covers basic SCADA Vantage features for reading real-time data, alarming, trending, reporting, monitoring and controlling.

PLUNGER ANALYSIS AND PAD CONTROL

Presenter: John Green

Introduction and description of Totalflow's dynamic control scheme in implementing Tube Switching, overview and features discussion on how to configure and operate multiple wells with Totalflow's Pad Controller application. Demonstration of the latest version of Totalflow's Plunger Analysis software to operate and optimize plunger lift installations through the use of trend file data collected from the system.

WELLTELL I/O INSTALLATION AND CONFIGURATION

Presenter: J.P. Morgan

The session will include a discussion and demonstration covering the installation and startup of the Totalflow WellTell wireless products. The demonstration will include radio installation in both host and client configuration. I/O capability and connections will be covered as will the use of the radio configuration utility and the remote calibration utility. I/O registers (data points) in the application will be tied to the physical I/O connections.

FIELD TROUBLESHOOTING I

Basic field troubleshooting

FIELD TROUBLESHOOTING II

Advanced field troubleshooting; Remote Comm. Test Cable

G4 COMMUNICATION CONNECTIVITY I

Local connectivity to G4; USB, Ethernet, Serial, Edgeport, TRENDnet (USB-TCP/IP, don't reconfig LAN in PC, etc.)

G4 COMMUNICATION CONNECTIVITY II

Remote connectivity to G4; Lantronics, Ethernet, MOXA, Adams, Therms, Cryout compatibility

PRODUCTION AUTOMATION

Presenter: Dave Bary

An overview of Liquid Loading. How to maximize production from the first sign of liquid loading until the end of life of the well. Included in this session will be intermittent, foaming (via chemicals or soap sticks), plunger lift, gas lift and combining plunger lift with chemicals. Also how the Safety System works and how it can work in conjunction with Plunger Lift.

TOTALFLOW EZ BLOCKS

Presenter: Chris Jones

This breakout session will include an EZ Block Introduction which looks at what EZ Block does and does not do. There will be a look at the workspace contained within EZ Blocks, what tools are available and how to use the tools on the workspace, how blocks are linked together, and how to set up the properties of the tools. Next how to set up communications to an XFC or XRC will be examined. There will also be a demonstration to show how programming is done with EZ Blocks and also how to upload and download programs with EZ Blocks.

TF.NET

Presenter: Terry Cox

In this one hour class, students will learn how TF.net can provide multiple client access to critical meter information and fully configurable multi-layer internet/intranet security and privileges. Additionally, students will learn how back office support can be provided near real-time meter information without breaching operational integrity and security. Students will be shown how thin net architecture can provide platform independent access for field technicians and operations and the seamless integration of WinCCU data into TF.net to create a web-based reporting system.

Focus Sessions

- PAD SYSTEMS
- AUTOMATING ARTIFICIAL LIFT
- REALTIME AND HISTORICAL DATA COLLECTIONS AND DISTRIBUTION SYSTEMS
- PRODUCTION AUTOMATION (INCLUDING SHUTDOWN SYSTEMS)
- DESIGN CONSIDERATIONS FOR ONLINE AND PORTABLE CHROMATOGRAPH SYSTEMS
- MEASUREMENT STANDARDS UPDATE

WHEN IS IT? WHERE IS IT?

February 16-19, 2010

Tulsa Marriott Southern Hills
in Tulsa, Oklahoma

WHY SHOULD I ATTEND?

Learn from industry and ABB experts on topics ranging from Artificial Lift to Design of Realtime Systems as well as Natural Gas Measurement.

Attending Industry Experts

TUESDAY, February 16, 2010	
2:00 - 8:00	Registration
8:30 - 3:30	Free NGC Training Class
8:30 - 3:30	Free XSeries Training Class
8:30 - 3:30	Free Totalflow Protocol Class
2:00 - 8:00 pm	Registration
6:00 - 8:30 pm	Welcome Reception
WEDNESDAY, February 17, 2010	
6:30 - 7:45	Breakfast
7:00 - 5:00	Registration
8:00 - 9:30	Morning General Session / Guest Speaker
9:30 - 9:45	Break
9:45 - 10:30	Breakout Sessions
	XSeries Basic (FCU/RTU)
	NGC Setup & Installation
	WinCCU Basic
	SCADAventure
	Plunger Analysis and Pad Control
	WellTell I/O installation and configuration
	Field Troubleshooting I
	G4 Communication Connectivity I
	Production Automation
9:45 - 12:00	Listening Posts
10:30 - 10:45	Break
10:45 - 11:45	Breakout Sessions
	XSeries Advanced (FCU/RTU)
	NGC Trouble Shooting and Diagnostics
	WinCCU Advanced
	Basic I/O and Control with XSeries
	LevelMaster Installation and Configuration
	Field Troubleshooting II
	G4 Communication Connectivity II
	Totalflow EZ Blocks
	TF.Net
12:00 - 1:00	Lunch
1:15 - 2:30	Focus Sessions
2:45 - 3:30	Breakout Sessions
	XSeries Basic (FCU/RTU)
	NGC Setup & Installation
	WinCCU Basic
	SCADAventure
	Plunger Analysis and Pad Control
	WellTell I/O installation and configuration
	Field Troubleshooting I
	G4 Communication Connectivity I
	Production Automation
3:30 - 3:45	Break
3:45 - 4:30	Breakout Sessions
	XSeries Advanced (FCU/RTU)
	NGC Trouble Shooting and Diagnostics
	WinCCU Advanced
	Basic I/O and Control with XSeries
	LevelMaster Installation and Configuration
	Field Troubleshooting II
	G4 Communication Connectivity II
	Totalflow EZ Blocks
	Portable Chromatography
5:30 pm	Dinner
6:30 - 9:30 pm	Casino
THURSDAY, February 18, 2010	
6:30 - 7:45	Breakfast
8:00 - 9:30	Morning General Session
9:30 - 9:45	Break
9:45 - 10:30	Breakout Sessions
	XSeries Basic (FCU/RTU)
	NGC Setup & Installation
	WinCCU Basic
	SCADAventure
	Plunger Analysis and Pad Control
	WellTell I/O installation and configuration
	Field Troubleshooting I
	G4 Communication Connectivity I
	Production Automation
9:45 - 12:00	Listening Posts
10:30 - 10:45	Break
10:45 - 11:45	Breakout Sessions
	XSeries Advanced (FCU/RTU)
	NGC Trouble Shooting and Diagnostics
	WinCCU Advanced
	Basic I/O and Control with XSeries
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	NGC Trouble Shooting and Diagnostics
	WinCCU Advanced
	Basic I/O and Control with XSeries
	LevelMaster Installation and Configuration
	Field Troubleshooting II
	G4 Communication Connectivity II
	Totalflow EZ Blocks
	Portable Chromatography
FRIDAY, February 19, 2010	
8:30 - 3:30	Free NGC Training Class
8:30 - 3:30	Free Production Automation Class
8:30 - 3:30	Free Totalflow Protocol Class

ABB INSTRUMENTATION

Unrivaled in its scope and application expertise, ABB Instrumentation provides solutions for maximizing well-head and pipeline productivity, efficiency and safety. Our analyzers, valve actuators, controllers, flowmeters, recorders, pressure and temperature products, are all built on a history of innovation and over a century of experience. ABB is the best choice for your measurement needs. Learn more at www.abb.com/instrumentation.



FREEWAVE

FreeWave has an extensive offering of long range, secure spread spectrum serial and Ethernet radios. These radios are commonly installed to create an integrated network that extends from remote locations back to a central office, enabling data to be gathered and transmitted reliably and securely across long distances.



FLOW-CAL INC.

Flow-Cal's suite of products provide operational efficiencies by gathering, validating, storing and distributing a company's volume and energy data. Flow-Cal's products, anchored by the industry leading Flow-Cal Enterprise, begin at the field level where the PROVEit and TESTit applications are designed to schedule and record the calibration and testing of field equipment.



A+ CORPORATION

A+ Corporation, LLC specializes in the design and manufacturing of "Analytically Correct™" sample conditioning components such as Genie® Membrane Probes™, Genie® Probe Regulators™ and Genie® Membrane Separators™.



AUTOSOL

AutoSol provides software that can individually or collectively solve SCADA and EFM/AMR Data Collection and Delivery problems. AutoSol's software capabilities are focused around remote data acquisition, control, alarm detection and notification, remote data logging. At the core of AutoSol's capability is the ability to support device types from most any manufacturer in their native protocol over single and multiple telemetry circuits simultaneously. All this capability is provided in a single software solution.



PGI INTERNATIONAL

PGI International is a leading designer, manufacturer and distributor of innovative and diverse products for the natural gas industry. PGI provides a complete measurement package which includes instrument valves and manifolds, oilfield valve fittings & wellhead components, as well as remote power supplies and gas & liquid sampling systems. PGI offers quality products that enable the highest degree of measurement accuracy, lowest emissions, and provide optimal functionality.



ELYNX

eLynx Technologies is the leading provider of web-based monitoring and field automation services to the oil and gas industry. With SCADALynx you can monitor flow computers, compressors, pipelines, tanks, artificial lift devices and more. Unlike traditional SCADA systems eLynx provides pre-engineered user configurable solutions that are easy to learn, use, and can be implemented in days or weeks – not months required by traditional SCADA systems.



With SCADALynx, users can customize the web page to view any group of wells, generate trending or variance analyses, review and graph individual wells and devices, create customized reports and export data to any number of software programs and back office systems. eLynx is also the market leading expert on field hardware, communications infrastructure, and field service installations of the hardware required to retrieve production data for the oil and gas enterprise.

CYGNET

CygNet Software leads the oil and gas industry with a new generation of enterprise operations software and solutions. Designed to create an information ecosystem, CygNet's solutions enable organizations to improve operational efficiency and market responsiveness, while complying with increasing regulatory initiatives. Already more than 100 customers involved in oil and gas production, transportation and market delivery - including the majority of the top 10 major independent gas producers in North America - rely on CygNet to collect, manage and distribute the vast amounts of diverse data produced across all facets of its enterprise operations. CygNet harnesses traditional silos of field, production and business data, allowing users across every business function to prioritize and analyze real-time information to support daily operations and strategic decision making. For more information, visit www.cygnetscada.com.



GE MDS + WIRELESS COMMUNICATIONS

GE Digital Energy - MDS is the world's leading single-source, end-to-end wireless solution provider. From wellhead monitoring to utility substation automation, our wireless devices are packaged for industrial environments and have been rated and tested to harsh industrial specifications. Our wireless networks carry serial and IP/Ethernet traffic, plus analog and digital I/O signals connected directly to field devices and sensors, accommodating an extensive array of industrial protocols.



Contact us

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 7051 Industrial Boulevard
 Bartlesville, OK 74006
 918-338-4888
 Fax: 918-338-4699
 800-341-3009

Power and productivity
for a better world



**2010 TOTALFLOW
Measurement and Automation Conference
February 17 - 18, 2010**

Dear Invitee:

We are very pleased to invite you to attend our, newly named, **Measurement and Automation Conference**. In recognition of our growth in the automation business, we are changing the name of our annual conference from "ABB Totalflow Technical Conference" to "ABB Totalflow Measurement and Automation Conference". This year's conference will consist of more than a mere name change. There will be more 3rd party vendors (9) participating with us. Our new focus sessions will be even better and we have re-structured many of our breakout sessions to allow more than an hour for some topics. We will continue to offer free training classes on the Tuesday before and the Friday following the conference. In fact, this year we are adding a new, never before taught, *class on Totalflow's protocol*. This will be a detailed class on how Totalflow's protocol works, how to use and tune the protocol, even how to implement the protocol in your own systems. We are also pleased to announce that Mr. Michael J. Economides, a prominent author and speaker will kickoff the conference on the topic of *Energy Geopolitics*.

Even though we are changing the name and some content of the conference, the dates and location remain the same. The 2010 conference will be held on February 17 – 18, 2010 and requires no registration fee. The conference will once again be held at the **Tulsa Marriott Southern Hills** located at 1902 E. 71st Street, Tulsa, Oklahoma. The hotel has set aside a block of rooms for our conference attendees. The deadline for you to receive the discounted room rate of \$94 is February 5, 2010. In order for you to receive this special rate you MUST MENTION CODE: **TOFTOFA**. Beginning February 6, hotel rates will increase to a minimum of \$139 per night.

Reservations – YOU MUST USE OR MENTION CODE: TOFTOFA	Room Rate:
Direct at 918-493-7000, toll free at 866-242-5060 or online at: http://www.marriott.com/hotels/travel/tulse-tulsa-marriott-southern-hills/	\$ 94.00

The Welcome Reception for attendees arriving on Tuesday, February 16, will be held from 6:00 pm to 8:30 pm in the Council Oak Ballroom located next to the lobby atrium area. Totalflow will provide breakfast, lunch, dinner and an evening of casino entertainment on Wednesday. Breakfast and lunch will also be provided on Thursday. If you have special dietary requirements, **please let us know on your registration form**.

A registration form to be completed and returned as soon as possible is enclosed. No phone reservations will be accepted. Please include your fax number and/or email address so your conference reservation can be confirmed. Hotel reservations must be made direct with the Marriott.

Enclosed is a conference brochure highlighting details of our event, including our keynote speaker, new exhibit booths and Listening Posts, as well as our free Tuesday and Friday training classes.

Don't miss this unique opportunity for training and gaining in-depth knowledge of your Totalflow system and plans for the future! We look forward to seeing you there.

Very truly yours,



Don Salyards
Sales Manager
ABB Inc.
TOTALFLOW



2010 **TOTALFLOW**

Measurement and Automation Conference

-- REGISTRATION FORM --

*All conference registrations must be returned no later than
February 5, 2010*

Return registration via fax to:
ABB Inc., Totalflow
Attn: Jo Griffith
Fax No. 918-338-4699

Return registration via mail to:
ABB Inc., Totalflow
Attn: Jo Griffith
7051 Industrial Blvd.
Bartlesville, OK 74006

**If you have questions please call Jo Griffith at 918-338-4847
or email her at jo.griffith@us.abb.com**

Please complete the following:

Company:	Name:
Mail Address:	Email:
City:	Fax No: ()
State: Zip:	Telephone No: ()

-
- YES NO I wish to register for a FREE *NGC* Training Class at the Marriott on Tuesday, February 16th.
- YES NO I wish to register for a FREE *XSeries* Training Class at the Marriott on Tuesday, February 16th.
- YES NO I wish to register for a FREE Totalflow Protocol Training Class at the Marriott on Tuesday, February 16th.
- YES NO I wish to register for a FREE *NGC* Training Class at the Marriott on Friday, February 19th.
- YES NO I wish to register for a FREE Production Automation Training Class at the Marriott on Friday, February 19th.
- YES NO I wish to register for a FREE Totalflow Protocol Training Class at the Marriott on Friday, February 19th.

Note: These free class sizes are limited. First come, first served. Approximate times for classes are 8:30 am to 4:30 pm. Be sure to provide your email address and fax number so we will be able to confirm your free training acceptance.

-
- YES NO Is this the first time you have attended our conference?
- YES NO Are you an experienced user of electronic flow measurement equipment?

Please list any special dietary requirements (allergies, vegetarian, etc.): _____

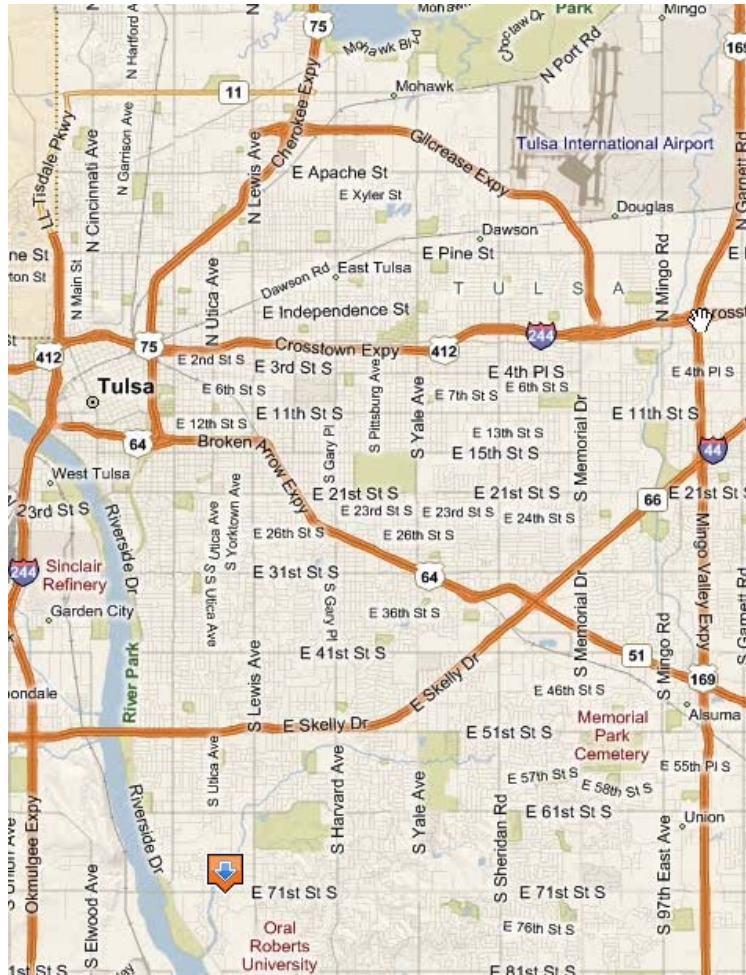
***Important Note! You must register for the conference AND hotel separately!
Registration for one does not register you for the other.
Room reservations must be made directly with the Marriott.***

TULSA Marriott SOUTHERN HILLS

1902 E. 71st St. Tulsa, OK 74136-5477

Phone: 918-493-7000 Fax: 918-523-3594

<http://www.marriott.com/hotels/travel/tulse-tulsa-marriott-southern-hills/>



Driving Directions from Airport

Tulsa - TUL (15 mi NE). Take 244 West to 75 South to 71st Street.

Take 71st East for approximately 2 miles. Hotel is on the right side of the street.

Airport shuttle service, reservation required, complimentary

Estimated taxi fare: \$40 USD (one way)