



Setting the Standard for Automation™

ISA is a nonprofit organization that helps its 30,000 worldwide members and other automation professionals solve difficult technical problems, while enhancing their leadership and personal career capabilities.

Getting the Most from Ultrasonic Meters

Paul Murphy, *Siemens Industry Inc.*

Tuesday Night October 25, 2011

Brooklyn's Restaurant @ Invesco Field



2644 W. Colfax Ave.
Denver, CO 80204
(303) 572-3999

5:30pm - Registration

6:30pm - Dinner

7:15pm - Presentation

Only \$15.00 for Members
& \$20.00 for Non-Members

Please RSVP by 10/21/11 to :
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Summary:

The 'Getting the Most from Ultrasonic Meters' presentation will include a review of general flow metering dos and don'ts- where to install, how to install- and brief technical description of how transit-time and Doppler work. Applications where ultrasonic metering works well, and where it may not be the best choice will be discussed. Besides flow data, what info will the meter provide? Class discussion is encouraged.

Clamp-on meters are a powerful tool when used correctly and this class should help participants get more from this technology.

Presentation Discussion Points:

1. Brief discussion of the Physics of Transit-time and Doppler
2. How existing process conditions affect metering
3. Good applications and why they they work
4. Applications to avoid and why they are questionable
5. Realistic expectations

Speaker Bio:

Paul Murphy– Siemens Industry, Inc.

Paul Murphy has a BA in Biology from Marist College and over 30 years of experience with flow metering in Oil & Gas, Water & Waste and a wide variety of process applications. His experience with ultrasonic flow measurement goes back to the mid 1980's and he has witnessed the technology evolve from a dark science to its present state.

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