

# ULTRASONIC FLOW MEASUREMENT

## A TWO DAY TRAINING COURSE



Curtin University

### EVENT DETAILS

#### Date

Monday 3<sup>rd</sup> and Tuesday 4<sup>th</sup> October 2011

#### Time

##### Day 1

8:30am - Registration  
8:45am - Course commences  
12:00pm to 1:00pm - Lunch  
4:30pm - End of training session

##### Day 2

8:45am - Course commences  
12:00pm to 1:00pm - Lunch  
4:30pm - End of training session

#### Venue

Australian Resources Research Centre (ARRC)  
26 Dick Perry Avenue  
Technology Park West  
Kensington WA 6151

#### Cost

\$1,200 per person, including GST

### PURPOSE

The purpose of this 2 day Ultrasonic Flow Measurement Course is to provide a sound understanding of the operation, application and characteristics of ultrasonic flow meters. The course will be conducted by CEESI, which own and operate a number of large high-pressure, high capacity flow testing calibration and research facilities in the USA. Types of flow meters consistently tested and calibrated by CEESI include: coriolis, insertion, magnetic, orifice, positive displacement, rotameters, thermal mass and velocity, turbine, ultrasonic, cone, venturi meters and nozzles, vortex shedding and other special types.

The course cost per participant is \$1,200.00, inclusive of GST. Lunch, morning and afternoon refreshments supplied.

This course is a Curtin University initiative into the promotion of flow assurance issues for the Australian Oil and Gas Industry.

### WHO SHOULD ATTEND?

- Operations Staff
- Design Engineers
- Senior technicians
- Specialists in metering
- Regulatory Bodies
- Research / Development Staff

### PROFILE



Colorado Engineering  
Experimental Station, Inc (CEESI)

has over forty years of flowmeter calibration Experience. CEESI performs traceable primary and secondary calibrations for numerous types of flow meters and fluids. In addition to quality calibrations, calibration related engineering services are provided, together with valve testing and a wide range of flow measurement training services.

### COURSE OUTLINE

- Design, operation and performance issues
- Calibration, traceability and uncertainty
- Field monitoring and diagnostics
- AGA-9
- Installation effects
- Meter station design
- Electronic flow measurement

## FURTHER INFORMATION

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Curtin University

### REGISTRATION FORM

Confirmation of course attendance must be received by  
**Tuesday 30<sup>th</sup> August 2011** to enable ordering and shipment of  
required number of course notes from the USA.

Cost: \$1,200 per person, including GST

Name \_\_\_\_\_  
Position \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
Town / City \_\_\_\_\_ Post Code \_\_\_\_\_  
Country \_\_\_\_\_  
Telephone \_\_\_\_\_ Fax \_\_\_\_\_  
Email \_\_\_\_\_

Name(s) of additional attendee (s)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Payment by Cheque: To Curtin University, GPO Box U1987, Perth WA 6845

Payment by Credit Card: Receipt can be issued on request

American Express

MasterCard

Visa

Card Number:

Security Number (AMEX Only):

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Expiry Date:

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Amount to be charged: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Cardholder Signature: \_\_\_\_\_

Please fax form to +61 8 9266 7063 or email [admin@peteng.curtin.edu.au](mailto:admin@peteng.curtin.edu.au)