

## selection for oilfield exploration, production & injection wells

A two-day training course arranged by

### The Mining Institute of Scotland

Presenter: Ed Wade CEng, FIMMM.

IOM3 PD endorsement is intended/pending.

Aberdeen Petroleum Club, Kippie Lodge, North  
Deeside Road, Milltimber, Aberdeen AB13 0AB.

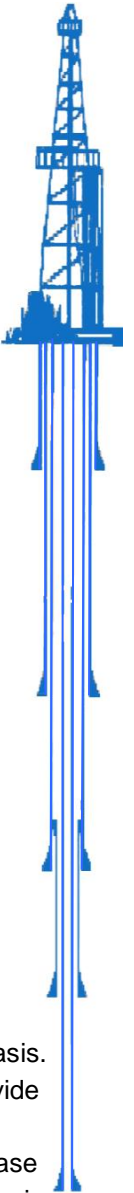
Wednesday 16<sup>th</sup>, Thursday 17<sup>th</sup> April 2014

08:45 – 17:00

£875 (+VAT) pp; £785 (+VAT) for MIS/IOM3 members.

The Mining Institute of Scotland is a regional society of the Institute of Materials, Minerals and Mining (IOM3) that offers professional qualification (CEng) and PD to mining and petroleum engineers. [www.mining-scotland.org](http://www.mining-scotland.org).

A structured approach to selection of casing, tubing and accessory materials will be presented for the different well types. Key topics will be summarised to provide a basis for discussion of practical cases contributed by attendees. Industry standards, etc that support the selection process will be identified. The target audience is petroleum engineers and others involved in the selection and specification of downhole materials. On completion, attendees should understand, and be comfortable managing, the selection process.



#### OUTLINE

- Selection methodology & criteria
- Overview of tubular metallurgy

#### Exploration & Production wells

- Selection for non-corrosive conditions
- Selection for corrosive conditions
- H<sub>2</sub>S, sour service & cracking of 'carbon steels'
- Metal-loss corrosion (CO<sub>2</sub>, H<sub>2</sub>S, MIC, etc)
- Managing metal-loss corrosion
- Corrosion resistant alloy (CRA) tubulars
- Accessories

#### Injection Wells

- Gas injection
- Seawater - deaerated
- Seawater – raw or minimally treated
- Other surface waters
- Produced water
- Aquifer wells
- Mixed waters
- WAG/SWAG
- Dual-purpose (turnaround) wells

#### Further information & booking arrangements (administered by MetalEcosse Ltd):

Email [MX-service@btconnect.com](mailto:MX-service@btconnect.com) or call +44 1334 476234. Places will be allocated on a first-come, first-served basis. Fees are payable in advance to MetalEcosse Ltd. To obtain the member discount, MIS/IOM3 members should provide their membership reference when booking. Payment arrangements will be advised with booking acknowledgement. Credit card payments are subject to a handling charge (3%). The course fee includes refreshments and lunch. Please advise any special dietary requirements when booking. Full refunds will be given in the event of cancellation. Otherwise, refunds will be at the organisers' discretion and subject to a charge. A wait-list will be used to fill places from cancellations. Registered attendees may send a substitute. The organisers reserve the right to decline booking requests and accept no liability for attendee expenses.



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