



FESAUS & WellEval.com present a two (2) day course in Perth



## Capillary Pressure Interpretation Course

### COURSE DESCRIPTION

The intensive 2 day program covers the theory and hands-on interpretation skills required to understand and work with capillary pressure data. By the end of this course, attendees will be able to conduct QC of the capillary pressure data, interpret the measurements to develop saturation-height functions and use the results in their respective projects.

#### Course Programme:

The course will cover the subject by alternating between lecturing and exercises with real data. A training manual is provided to facilitate learning and use of the techniques. The exercises are intended to reinforce the methodologies discussed. MS-Excel will be used for the exercises rather than dedicated Petrophysics software so that the participants understand which algorithms they should use and why. Attendees will be encouraged to take their spreadsheets with them to use in the future.

The following topics will be addressed:

- Definitions of Capillary Pressure & Fluid Contacts
- Basic Formulae
- Wettability, effect on Capillary pressure
- Measurement of Capillary Pressure
- Representative Data & Correcting for Unrepresentative Data
- Data Collation, Corrections & Conversions
- Quality Control of Data
- Irreducible Water Saturations
- Common Functions to Fit to Data, Averaging methods
- Drainage Saturation-Height Modeling
- Imbibition Saturation-Height Modeling
- Checking for "Good Behavior"
- Implementation in Petrophysical, Static & Dynamic Models
- Reconciliation Between Saturation-Height & Log-Derived Sw
- Documentation & Audit Trails

### INSTRUCTOR PROFILE & COURSE REGISTRATION

#### Who Should Attend:

Geologists, Geophysicists, Reservoir & Production Engineers and others involved or interested in using saturation-height models. This course is suitable for people with some Petrophysical experience or training.

#### Course Instructor:

Stephen Adams has over 23 years experience in Petrophysical Evaluation, related disciplines and training. Following training and an initial 7 years of employment with Shell internationally, Steve has worked for the last 16 years as an independent consultant with clients in Australasia and worldwide. He has been providing petrophysically focussed training courses since 2001. Steve has 17 papers published and is well known in the industry as co-author of the 1993 Shell Manual on "Capillary Pressures & Saturation-Height Functions".

#### Course Date & Venue:

8:00 am - 4:00 pm on Tuesday 24th and Wednesday 25th August, 2010  
To be held at Perth Convention and Exhibition Centre, 21 Mounts Bay Road, Perth WA 6000

#### Course Registration Fees\*:

Cost: A\$1,650 incl. GST per person without computer hire (Members)  
Cost: A\$1,815 incl. GST per person with computer hire. (Members)  
Cost: A\$1,870 incl. GST per person without computer hire (Non-Members)  
Cost: A\$2,035 incl. GST per person with computer hire. (Non-Members)

Tea and Coffee on arrival, Morning Tea, Lunch and Afternoon Tea will be provided including room hire and course manual.

#### Course Registration:

Please contact Leanne Brennan – FESAUS' Secretary – [lbrennan@fesaus.org](mailto:lbrennan@fesaus.org)  
Telephone: 0437 925 581

A tax invoice will be supplied automatically once on line registration completed. **Note that there are limited places available.**

\* Registration cancellation fees may apply