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*see back page for details



Metocean Awareness Course

An essential course providing a greater understanding of metocean and its implications for offshore design and operations

Tuesday 27 – Wednesday 28 November 2018

Saxons Training Facilities, 1/140 St Georges Terrace, Perth WA 6000

Metocean is a discipline covering meteorology and physical oceanography, and is concerned with quantifying the impact and effect of weather and sea conditions on a wide range of activities in the offshore oil & gas and renewables.

This is an essential course providing a greater understanding of Metocean and how the application of Metocean information can benefit your organisation particularly with respect to:

- ▶ Improved safety
- ▶ Better decision-making and planning
- ▶ Reduced costs

WHY WILL THIS COURSE BENEFIT YOU?

For all offshore industries, the effects of meteorology and oceanography (metocean) have a major impact on design and operations. If users of metocean information are not aware of the implications that the weather, waves, currents and water levels can have on their operations or design work, then things can go wrong with serious health and safety and economic consequences.

The Metocean Awareness Course is aimed at those who need to have a greater understanding of metocean conditions worldwide and how they might impact the effectiveness of their work.

The course format will include a mixture of short presentations presented by expert speakers in this field and interactive workshop sessions including a group case study exercise. Delegates will receive a comprehensive course manual on attendance.

WHO SHOULD ATTEND?

This course is essential for Project Managers and Engineers in the offshore and renewables industries, involved in operations or design, from new entrants to the industry to those with many years experience. The course will enable delegates to interact with expert speakers and other delegates from various backgrounds who use or provide metocean data.



For further details contact:

Patricia Slapp
Tel: + 61 (0) 8 9481 0999
Email: p.slapp@sut.org

Comments from delegates who attended previous courses:

“The presenters were excellent in sharing their experience and input to issues faced by participants in their work ”

COURSE SCHEDULE

DAY 1 TUESDAY, 27TH NOVEMBER 2018

- 08.30 Registration & Refreshments
09.00 Welcome, HSE briefing, housekeeping
Introductions/icebreaker
- Metocean experiences from delegates and speakers
- 09.30 Kolskaya and Key Biscayne Jackup Disasters,
and Why it is Always Easier to Blame
Metocean; Setting the Scene
Jan Flynn, Woodside
- 10.30 Morning Tea
- Metocean Parameters and Processes
- 10.45 Atmospheric and Ocean Circulation
Scott Noreika, RPS MetOcean
- 11.30 Wind, Waves, Currents, Water Levels
Steve Buchan, RPS MetOcean
- 12.40 Lunch break
- 13.40 Western Australian Metocean Conditions
Steve Buchan, RPS MetOcean
- Metocean Data Acquisition and Quality Control
- 14.10 Measurements, Quality Control of Data
and Archiving *Greg Bush, RPS MetOcean*
- 15.10 Afternoon Tea
- 15.30 Numerical Modelling *Steve Buchan, RPS MetOcean*
- 16.30 Metocean Requirements for FPSO Design
James Whelan, University of Western Australia
- 17.00 Day 1 Finish
17.45 Dinner

DAY 2 WEDNESDAY 28TH NOVEMBER 2018

- 08.30 Arrival tea & coffee
- Metocean Operating Statistics
- 09.00 Developing Metocean Statistics for Operational
Planning e.g. Weather Windows Exercise
Michael Garvey, Shell
- 10.30 Morning Tea
- Metocean Design Criteria
- 10.45 Developing 100-Year Extremes
Extreme Value Analysis (EVA)
Joint Probability
Uncertainty
Exercise
Steve Buchan, RPS MetOcean
- 12.45 Lunch
- Weather Forecasting
- 13.45 How Are Forecasts Produced?
Forecast Products
Uncertainty
Exercise
Joey Rawson, Bureau of Meteorology
- 15.15 Afternoon Tea
- Data Trends and Climate Variability
- 15.30 What Are the Issues for Metocean?
Climate variability and climate change
Glenn Cook, Bureau of Meteorology
- 16.30 Course Finish

APPLICATION FORM – Metocean Awareness Course

Tuesday 27 – Wednesday 28 November 2018

Saxons Training Facilities, 1/140 St Georges Terrace,
Perth WA 6000

Instructions: Please print clearly or attach business card and photocopy this form for further delegates.

Personal Information

IMarEST/SUT Membership Number _____

Full name _____

Job title _____

Organisation/company _____

Address _____

City _____

County _____ Postcode _____

Telephone _____

Email _____

Signature _____

Metocean Awareness Course fees: (please tick)

Member \$1180 AUD Non-member \$1400 AUD

Early bird discount 20% off

(Registrations received before 23rd October 2018)

Rates include GST at standard rate

Total amount payable _____

Registration fees include: extensive course materials, daily refreshments over the 2 days and one course dinner.

Delegates will receive one year's complimentary affiliate IMarEST membership

Please tick here if you are happy for us to distribute your details to join the Metocean Awareness Course Nexus Group

PAYMENT INFORMATION:

- Please invoice (PO NO.) _____
- GST receipt
- Cheque Australian Dollar only, made payable to The Society for Underwater Technology
- Credit card Mastercard, Visa or AMEX* ONLY. We cannot accept payment by any other card. *Payment by AMEX will carry a 2.75% surcharge
- Amex Mastercard Visa

Card number

Card holder's name _____

Signature _____ Expiry date _____

Start date _____ Issue number (if applicable) _____

Security Code (last 3 digits on the back of your card)

Address at which card is registered _____

ADDITIONAL REQUIREMENTS:

- Vegetarian/special dietary meals Access requirements (please specify) _____

You will receive a confirmation email, an invoice or GST receipt and further information on receipt of your application form. Please contact us if you do not receive confirmation.

Registration Information

For further information, please contact Patricia Slapp at p.slapp@sut.org or + 61 (0) 8 9481 0999

To simply register please email your completed registration form to perthevents@sut.org

or fax to: +61 (0) 413 752 347

or post to: 11/17 Prowse Street, West Perth, WA, 6005.

Comments from delegates who attended previous courses:

“Gained a good knowledge of metocean in such a short time”