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Metocean Awareness Course

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

Tuesday 1 – Wednesday 2 June 2021

Parmelia Hilton, 14 Mill Street, Perth 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:

Renaë Drew
Tel: + 61 (0) 8 9481 0999
Email: perthevents@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 1ST JUNE 2021

- 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
Scott Noreika, RPS MetOcean, Steve Buchan, Metocean Consulting
- 12.40 Lunch break
- 13.40 Western Australian Metocean Conditions
Steve Buchan, Metocean Consulting
- 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 *Scott Noreika, RPS MetOcean*
- 16.30 Metocean Requirements for FPSO Design
Ian Milne, University of Western Australia
- 17.00 Day 1 Finish
17.45 Dinner

DAY 2 WEDNESDAY 2ND JUNE 2021

- 08.30 Arrival tea & coffee
- Metocean Operating Statistics**
- 09.00 Developing Metocean Statistics for Operational
Planning e.g. Weather Windows Exercise
Michael Garvey, Woodside
- 10.30 Morning Tea
- Metocean Design Criteria**
- 10.45 Developing 100-Year Extremes
Extreme Value Analysis (EVA)
Joint Probability
Uncertainty
Exercise
Scott Noreika, RPS MetOcean
- 12.45 Lunch
- Weather Forecasting**
- 13.45 How Are Forecasts Produced?
Forecast Products
Uncertainty
Exercise
Austen Watkins, 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
Austen Watkins, Bureau of Meteorology
- 16.30 Course Finish

APPLICATION FORM – Metocean Awareness Course

Tuesday 1 Wednesday 2 June 2021

CBD Venue - TBC

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)

Early Bird* Member \$1090 AUD

Early Bird* Non-member \$1300 AUD

Member \$1360 AUD

Non-Member \$1620 AUD

Student Member \$440 AUD

(**Early Bird Registrations must be paid by 4 May 2021)

Rates include GST at standard rate.

Terms & Conditions 2021: Refunds will be made on written cancellation received up to 10 working days prior to the event, but will be subject to a 15% administration charge. Cancellations received 9–4 working days prior to the event will be charged a 50% cancellation fee. Cancellations received 3–0 working days prior to the event will not be refunded. Delegates may send a substitute in their place at no charge. Should there be any COVID related shutdowns that impact this course it will be run online instead of in person.

PAYMENT INFORMATION:

Please invoice (PO NO.) _____

GST receipt

Cheque AUD only, made payable to The Society for Underwater Technology

Credit card Mastercard, Visa or AMEX* ONLY. *Payment by AMEX will carry a 2.75% surcharge, Mastercard & Visa 1.5% surcharge.

Amex Mastercard Visa

Card number

Card holder's name

Signature Expiry date

Start date Issue number

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

To register please email this form to perthevents@sut.org or phone/email for further information +61 (0) 8 9481 0999

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.

Comments from delegates who attended previous courses:

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