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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

In Person: Parmelia Hilton, 14 Mill Street, Perth 6000

***Online option also available - Australian Western Standard Time**

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:

Renae 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
Jason McConochie, Shell

- 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
Pamelia Hilton, 14 Mill Street, Perth (or Online)

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 (IN PERSON)

Early Bird* Member	\$1090 AUD	<input type="checkbox"/>
Early Bird* Non-member	\$1300 AUD	<input type="checkbox"/>
Member	\$1360 AUD	<input type="checkbox"/>
Non-Member	\$1620 AUD	<input type="checkbox"/>

Metocean Awareness Course fees (ONLINE)

Early Bird* Member	\$545 AUD	<input type="checkbox"/>
Early Bird* Non-member	\$680 AUD	<input type="checkbox"/>
Member	\$650 AUD	<input type="checkbox"/>
Non-Member	\$810 AUD	<input type="checkbox"/>

(**Early Bird Registrations must be paid by 4 May 2021)
Rates include GST at standard rate.

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.