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 its implications for offshore design and operations.

**Tuesday 1 – Wednesday 2 June 2021**

Parmelia Hilton, 14 Mill Street, Perth 6000

**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
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
Sign
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”

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)

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.

Comments from delegates who attended previous courses:

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