

Offshore Geohazards and Geotechnics: Risks and Opportunities Course

22nd April 2015

Parmelia Hilton Hotel
Mill Street, Perth, Western Australia

Course: 8.30 am–5.00 pm ❖ Dinner: 5.30 pm

This one-day course explains offshore geology, geohazards and geotechnical engineering, adopting a holistic approach to show how they interact and how an improved understanding of all three disciplines can lead to optimised infrastructure solutions.

Aspects of shallow foundations, deep foundations, anchors and pipelines will be described, illustrated with numerous case histories, showing how different geological environments ranging from shallow water through to deep water can impact the collection of site characterisation data and infrastructure design concepts.

The course will explain what can be achieved using different site characterisation techniques (geophysics, geotechnical investigation and laboratory testing) and how an integrated ground model can be used to reduce risk and increase value.

Programme Includes:

- ◆ Setting the scene :
 - * Geotechnical overview of developments on the North West Shelf of Australia
 - * Importance of geohazards and geotechnics
- ◆ Design philosophy and design for installation:
 - * Project timelines, managing risk and opportunities
 - * Design cases
 - * Selection of factors of safety
 - * Reliability-based design and risk analysis
 - * Installation risks and constraints
- ◆ Geology of the North-West Shelf
- ◆ Geohazards and georisks
- ◆ Desk studies, geophysical surveys, geotechnical investigations and integration:
 - * Different survey and investigation methods
 - * New techniques
 - * Benefits of an integrated ground model and how this should be developed
- ◆ Shallow water:
 - * Characterisation
 - * Geotechnical solutions for foundations, anchors and pipelines
- ◆ Deep water:
 - * Characterisation
 - * Geotechnical solutions for foundations, anchors and pipelines
- ◆ Future horizons



Thank you to our presenting companies

Registration Information

Offshore Geohazards Course—April 2015

Should you require further information on this event, please contact Jennifer Maninin on j.maninin@sut.org Tel +61 8 9446 9903
To register, either e-mail the information required on the registration form to perthevents@sut.org or fax the completed form to +61 8 9446 9905

Registration Fees

SUT Members - \$480.00 + GST = \$528.00

Non Members - \$530.00 + GST = \$583.00

Fee includes - All refreshments during the course including dinner at local restaurant, handout notes of the presentations & USB containing PDF versions of the presentations and videos available.

Preferred Payment Methods:

Credit Card: Visa, Mastercard or AMEX* only. We cannot accept payment by any other card.

***Please note if paying by AMEX there will be a 2.75% surcharge.**

Cheque: Australian Dollar only, made payable to The Society for Underwater Technology
Send to, SUT, 5/5 Hasler Road, Osborne Park, Perth, WA 6017

Please make sure you reserve a place by e-mail or fax before sending payment.

Invoice: Please tick here to be invoiced

Joining Instructions:

Joining instructions will be e-mailed to the registered delegate (as shown on the registration form). All details of presenters and full programme times will be included in the joining instructions.

Course Dinner:

An informal dinner will be held in a local restaurant on the first night of the course (details with joining instructions).

Transport During the Course:

Delegates are responsible for their own travel arrangements at the beginning and end of each day.

Cancellations: Refunds will be made on written cancellation received up to ten 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 wish to nominate a substitute in their place at no charge.

Please tick box if you do not wish to receive further SUT information

Registration Form

Please e-mail details to Perthevents@sut.org or fax the completed form to +61 8 9446 9905

Please tick to indicate your preferred payment method: _____ SUT Member No. _____

Credit Card _____ (Visa, MasterCard or AMEX*) Cheque _____ Invoice (PO No.) _____

Name _____

Company _____

Address _____

E-mail address _____ Tel No. _____

Credit Card No: VISA, MASTERCARD or AMEX* _____/_____/_____/_____

Exp. _____ / _____ Security no _____ (last 3 digits on the back of your card)

Name on the card _____

Billing Address if not as above _____

E-mail address where receipt should be sent for credit card payment _____

Amount to be charged \$ _____ Signature _____