The operation of subsea production systems requires operation, inspection and maintenance strategies that differ considerably from their onshore counterparts. This course provides an introduction to the elements of a subsea production system and how they are operated to maximise production and protect system integrity. Additionally, presenters will explore the typical operational parameters for a subsea system, the information available during normal operation and the requirements for inspection and maintenance to mitigate the many risks posed by the both the subsea environment and the produced fluids.

PROGRAMME:

08.30 Registration

08.40 Course starts

08.45 General Introduction to Subsea Production systems
Ross Hendricks, TechnipFMC
Components of subsea systems, the “building blocks”. The purpose of each element and how they fit into the overall system.

09.30 Operating Strategies/practices
Jeena Sunnassee, Wood.

11.00 Coffee/Tea

11.15 Operating Subsea Systems
Andrew Robertson, Woodside Energy Ltd.
A short overview of operating a subsea system, from well start up through the operating phase to well shutdown. What information is readily available, how to interpret it, to ensure a safe, smooth and efficient operation.

12.00 Vulnerabilities - What could go wrong?
Kevin Gauld, Chevron Australia
Explanations of the vulnerability of subsea hardware to the following:
- Hydrates, waxes & scale, causes & remedies
- Control Fluid Cleanliness; Incompatible Fluids
- Insulation Resistance; Gas Ingress & condensing water
- Technology Obsolescence
- Reliability, redundancy & flexibility
- Dragged & dropped objects - Fishing activity
- Corrosion/erosion
- Marine environmental influences - temperature, internal water motions, marine growth.

13.00 Lunch

13.30 Managing Subsea Assets
Roland Fricke, Woodside Energy Ltd
This session discusses the management of subsea operations by describing the following: Operations in the Asset Lifecycle; Subsea Operators Goals; and Key Elements to these Achieve Goals. This includes examples of existing subsea infrastructure, operations and maintenance roles & team structures including indicative costs.

14.30 Inspection, Repair and Maintenance
Norman Mackay, DOF Subsea
The need for IRM and how it is carried out, exploring:
- Diver intervention; ROV & Survey Capabilities; IRM Vessels; Inspection and survey systems; AUV Systems; Integrity management: Planning and Timing. Procedure development; Case study examples

15.30 Coffee/tea

15.45 Advanced Systems
Caspar Lewis, Baker Hughes, a GE Company
Subsea Separation
Subsea Compression
Direct Seawater injection

16.45 Course Conclusion

SUT reserves the right to change/amend the programme as it sees fit.

Thank you to the presenting companies:

Pictures courtesy of FMC Technologies Australia
Registration Information

Should you require further information, or to submit this registration form please contact Patricia Slapp on p.slapp@sut.org or Tel +61 8 9481 0999

Registration Fees

SUT Members Early Bird (register & pay on or before 24th July 2019) $420.00 + GST = $462.00
SUT Members (registration from 25th July 19) $477.27 + GST = $525.00

Non Members Early Bird (register & pay on or before 24th July 2019) $495.45 + GST = $545.00
Non Members (registration from 25th July 19) $563.64 + GST = $620.00
SUT Student Members *limited places available $172.73 + GST = $190.00

Early Bird Registrations must be received by 24th July 2019. Any registrations received AFTER this date will be processed at the standard price.

Fee includes - All refreshments and an electronic copy of the available presentations and videos are provided.
Not included - Hard copy presentations are not provided. Should these be required there is an additional fee of $60.

Preferred Payment Methods:
Credit Card: Visa, Mastercard or AMEX only *. We cannot accept payment by any other card.
* Payment by Visa or MasterCard will carry a 1.5% surcharge / AMEX will carry a 2.75% surcharge.

Joining Instructions:
Joining instructions will be e-mailed to the registered delegate (as shown on the registration form). All details of presenters and updates to the programme will be included in the joining instructions. Please bring along a laptop to view the presentations.

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.

CPD Hours: CPD hours can be claimed for this course, please keep flyer and receipt for auditing purposes.

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

Registration Form

Please e-mail completed form along with delegate profile overleaf to p.slapp@sut.org

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

Credit Card: □ (Visa, MasterCard or AMEX only) * Invoice: □ (PO No.) _____________

Name ___________________________________________ Please tick here if personally funding course □

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So that the lecturers can get an idea of the level at which to pitch their presentations, please let us have a few details of your current job position, history and what you hope to learn from the course.

Please e-mail along with registration form to p.slapp@sut.org

Position Held

Relevant Professional History

Reason for attending course

Any special dietary requirements

Please tick box if you do not want to share your delegate profile with other attendees