

Global Pipeline Buckling Symposium

23rd & 24th February 2011
Perth Convention Exhibition Centre, Perth, Western Australia



2 Day Symposium

Advance Notification and Call for Papers

SUT Perth branch are proud to announce their 1st International Symposium on the comprehensive review of the non-linear bases and advanced analysis methods used in the design and installation of Subsea Pipelines on the 23rd and 24th February 2011 in Perth in conjunction with the Australian Oil and Gas (AOG) Exhibition. The central theme for the 2011 Symposium is pipeline susceptible to lateral buckling

The assessment of HPHT subsea pipelines considering the mechanisms and effects of lateral buckling is a central feature of a large proportion of new pipeline systems. There is a trend to higher temperatures that may result in the design for lateral buckling methods that are valid only for more moderate temperatures. Research and development programmes, in the form of individual efforts and JIP's have provided guidance on analysis methods. The use of limit state methodology, based on load-controlled and displacement-controlled criteria are now available to pipeline designers for FEED and detailed design.

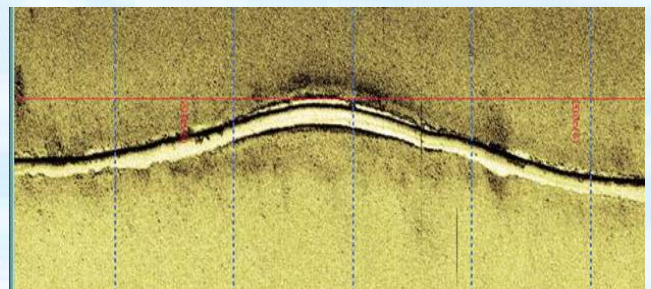
Much of the design analysis is carried out using computer based methods, including finite element modelling. There is some guidance on these but as time goes on the pipeline systems, geotechnical modelling and incorporation of new materials become more complex and the current analysis methods may become invalid.

- This two-day Symposium will aim to provide a forum for leading exponents and interested pipeline engineers to meet and to present papers and participate in discussions related to the practice, current development and future research supporting design for lateral buckling.
- Enable a comprehensive review of the current state of lateral buckling analysis and assessment.
- Provide a forum to enable interchange of views on future developments in design, installation and operation of HTHP pipeline systems.

Interested authors are invited to submit abstracts of 200 - 300 words by email to Joyce Bremner j.bremner@sut.org by 28th August 2010. Accepted Authors will be notified by 14th September 2010. Full papers to be submitted for peer review by 14th November 2010. Final version papers to be submitted by 14th January 2011.

Suggested Themes:

- Flow Assurance and operation practice
- Pipeline Lateral Buckling Mechanics
- Geotechnical and Seismic modelling
- Materials and Welding
- Installation



For further information on this event, please contact Joyce Bremner, j.bremner@sut.org