The Aim

A considerable growth in deepwater platform prospects is expected during the next five years. These platforms include FPSOs, Spars, Semi-submersibles & Tension Leg platforms. Work by some leading companies suggests TLPs may have some practical limit in water depth around 1500 meter. The deepwater future seems to be FPSO and semi-submersible solutions, although new floating concepts are under discussion. However, there is a significant growth in the use of spar-based production platforms.

Who Should Attend?

- Designers, shipbuilders & offshore engineers
- Specialists in marine structures, hydrodynamics, deep & ultra deepwater oil & gas exploration, strength, materials, safety, risk & reliability
- Project Managers
- Educationalists, academics and postgraduate students
- Classification Societies

Venue & Date

The Conference will be held in McCance Room 1, McCance Building, University of Strathclyde, 16 Richmond Street, Glasgow G1 1XQ during 21-23 September 2009.

Programme Day 1 Monday 21 September 2009

8.30 Registration

9.30 Welcome/Opening

9.45 Keynote Address: Professor B. Buchner, MARIN

10.15 Application of Environmental Contour Lines - A Summary of the Work so far
G. Sagli Baarholm and S. Haver

10.45 Coffee/Tea Break

11.15 Future Trends in the Application of Spar Platforms
A. Sablok and S. Barras

11.45 Second Order Force and Response of a Cylindrical FPSO in Random Waves, *Y. Zhang and R.S. Langley*

12.15 Hydrodynamic Interaction of Semi-submersible-Spar System Interconnected by a Rigid -Yoke
S. Nallayarasu, P. Siva Prasad

12.45 Lunch

14.00 Low Cycle Fatigue Assessment of Side Shell Details of an FPSO, *H. Raji, A. Incecik and N. Barltrop*

14.30 Effects of Sloshing on Global Wave Loads of a FPSO Vessel, *Hoi-Sang Chan*

15.00 Tea/Coffee

15.30 Mechanism of viscous damping of Spar-type structures and heave plates, L. Tao

16.00 Slowly Varying Motion of a Semi-Submersibles Predictions and Comparisons with Measuremenst
A. Hassan, A. Incecik, M. Downie and H. Chan

16.30 Short -Term Prediction of Extreme Ice Loads on Ship Hull
A. Suyuthi and B.J. Leira

18.00 **Civic Reception, Glasgow City Chambers**

Programme Day 2 - Tuesday 22nd September 2009

9.10 Risk Assessment of LNG Carriers Under Anticipated New Circumstances
Toshiro Arima, Senichi Sasaki and M. Abdul Rahim

9.30 The Effect of Distortion on the Buckling Strength of Stiffened Panels
P. Paul C, PK. Das, A. Crow and S. Hunt

10.00 Hydrodynamic Behaviour of the Grouped SLOR
Dr. D. Lee, D. Karunakaran and J. Mair

10.30 Coffee Break

11.00 Modelling of Steel Catenary Risers (SCRs) Installation by Pre-Abandonment Recovery & Transfer Method
T. Sarkar, J. Tahirovic and T. Sriskandarajah

11.30 The Technical and Practical Challenges of Installing the Ormen Lange Pipelines, *M. Kennard*

12.00 Fatigue Analysis of Staged Pipelay Operations
D. Ili and R. O'Grady

12.30 Lunch

14.00 Six-degrees of Freedom Motions of Spar Platform in Irregular Waves, *A. Maimun, B. Bodaghi, A. Priyanto, R. Abdul Samad and M.J. Ketabdari*

14.30 Efficient Dynamic Modelling of Deep Water Moorings and Risers, *A. Argyros and R S Langley*

15.00 Fuzzy Risk Assessment for Spread Mooring Systems
A. Mentes and smail H. Helvacioglu

15.30 Coffee/Tea Break

16.00 An Investigation on the effect of current directionality on riser vortex-induced vibration, *SK Manayankath and S. Huang*

16.30 A RANs Investigation of Breaking Wave Vertical Acceleration
N Barltrop and N Ojieh

19.00 **Conference Dinner**

Programme Day 3 – Wednesday 23rd Setember 2009

9.00 Meeting Challenging Steel Catenary Risers (SCR) Fatigue Performance Using Standard 1% Nickel Wire
P. H. Chong, S.N. Smith, K.J. Rodgers and M. Smith

9.30 Experimental Validation of a 3-Dimensional Umbilical Cross-Section Model, *Janne Gjøsteen*

10.00 Developing a Deepwater Construction and Pipelay Fleet
SN. Smith, JR. McGregor, B. Rice, N. Currie and B. Hoffer

10.30 Coffee/Tea Break

11.00 Fatigue Analysis of Corners in Edge Attachment Details
L. Xu and N. Barltrop

11.30 **Workshop I – FPSO's**

Panels: Dr. S Smith, Subsea7 – Chairman
Prof. James McGregor, Consultant
Prof. N Barltrop, Universities of Glasgow & Strathclyde
Dr. Alwyn McLeary, BP
Prof. Dennis Macoy, Babcock Marine

13.00 Lunch

14.00 **Workshop II – Current Issues in Risers & Moorings**

Panels: Dr. D. Karunakaran, Subsea7 – Chairman
Dr. P. O'Brien, MCS
Prof. S Huang, Universities of Glasgow & Strathclyde
Dr. Dave Thomas, Orcina
Prof. L Tao, Newcastle University

15.30 Coffee/Tea Break

16.00 Visit to Hydrodynamic lab

17.30 End

REGISTRATION FORM

Title:…….. Surname:…….
Other Names:…….
Organisation ……..
Address ……
……..
……
Country:……. Postcode: ……
Telephone ……..
Fax ……
Email ……

- ☐ I wish to register for the conference at a cost of £450
- ☐ Please invoice me at the above address
- ☐ Please send me information on local hotels

Signature …… Date ……

Fees include registration, conference proceedings in CD format, lunches, refreshments and the conference dinner. The completed form, together with a cheque in pounds sterling payable to ***University of Strathclyde***, should be sent to the address below by **1 August 2009.**

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Cancellation

Please note that no refunds will be possible after 15 August 2009.

Travel & Accommodation

Glasgow has 2 airports; Glasgow International Airport and Glasgow Prestwick International Airport and 2 main train stations; Glasgow Central and Glasgow Queen Street. It also has a subway system which is a convenient way of traveling around the city.

Delegates should make their own arrangements for accommodation but we can provide a list of nearby hotels on request.

Further Information

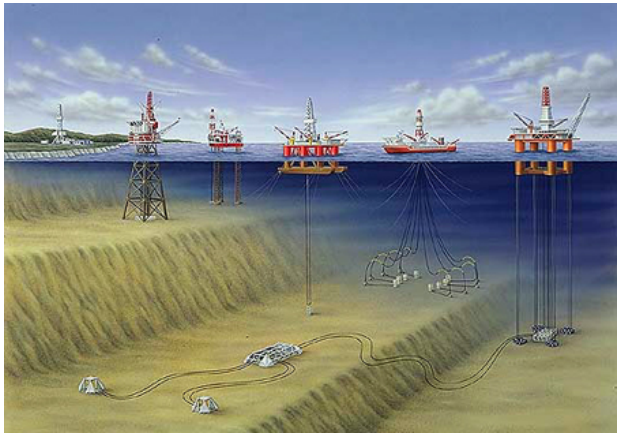
The Tourist Information Centre can provide further information on travel and accommodation.

Tel: +44 (0)141 204 4400
Email: enquiries@seeglasgow.com
Web: www.seeglasgow.com

University of Glasgow

University of Strathclyde Glasgow

Department of Naval Architecture and Marine Engineering



International Conference on

Floating Structures for Deepwater Operations

21-23 September 2009,
University of Strathclyde
Glasgow, Scotland, UK