



## Technical Talk

Organised by

**The Joint Branch of the RINA and the IMarEST (Singapore),  
Society of Naval Architects and Marine Engineers Singapore  
and  
Ngee Ann Polytechnic, Technology Development Office,  
Centre of Innovation - Marine & Offshore Technology**

### **“Oil & Gas Pipelay Techniques and Installation Vessels”**

**by Dr John Preedy  
Consultant, Azur Offshore Ltd, UK**

**Date : Thursday, 23<sup>rd</sup> September 2010  
Time : 6:15 pm to 7:00 pm Registration & Refreshments  
Talk begins at 7:00 p.m. and ends at 8:00 p.m.  
Venue : Lecture Theatre 38, Ngee Ann Polytechnic**

Please see the attached documents for the abstract of the talk and biography of the speaker.

For registration, please confirm with Mrs Shi-Tan Mui Huang by Wednesday, 15<sup>th</sup> Sept 2010 via the reply slip.

Woon Kok Meng  
For Technical Committee  
Joint Branch (RINA-IMarEST)

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### **Technical Talk: Oil & Gas Pipelay Techniques and Installation Vessels**

#### **REPLY SLIP**

**Fax: 6467 4185; Tel: 6460 8262; Mrs Shi-Tan Mui Huang (smh@np.edu.sg)**

Yes, I would like to attend the talk.

Name: \_\_\_\_\_

Designation & Company: \_\_\_\_\_

Email: \_\_\_\_\_ Contact no.: \_\_\_\_\_



## ABSTRACT

### Oil & Gas Pipe-lay Techniques and Installation Vessels

Pipelines are a key part to both sub-sea production systems, where the fluids flow from the reservoir to the processing host are through a multiphase flow-lines; and the export product flow from the offshore host to shore are through single phase pipe-lines.

Each year, many thousands of kilometers of new subsea pipelines are installed worldwide. This short talk will cover the background to flow-lines and pipe-lines requirements and usage, their design methods, installation techniques as well as inspection and maintenance requirements.

There is a wide range of installation vessels, provided by fleet owners. Most owners are keen to be in a position to have the right vessels at the right location worldwide and pipe-lay vessels have recently been increasing in numbers. The talk will cover several of these existing and new build vessels.

### ABOUT THE SPEAKER



Dr John Preedy worked for BP for 28 years as a Research Associate and Team Leader, working on feasibility studies and acting as a trouble shooter covering all aspects of BP's businesses. These covered field development project in the North Sea and several novel resource recovery techniques which were taken from concept to field pilot trials in Canada. His specific work in the offshore area covered Subsea Robotics / Automation, Seabed Production Concepts, Seabed Excavation Methods, Underwater Repair Techniques, Flexible Riser Studies and Maintenance Cost Reductions.

After leaving BP in 1992, he has continued working in the offshore oil industry through Azur Offshore Ltd, including activities in the assessment of emerging and novel technologies, technical and economic audits, studies, production sharing, agreement evaluations on safety and environmental issues. Clients have included Chevron UK, BP Exploration, British Gas, Technomare, Trident Consultants, Fina UK and Cameron France. In addition he is responsible for co-ordinating and is the Course Director and Principal Lecturer for the oil industry training courses that Azur Offshore Ltd provides to Professional Engineers in Europe, USA, S.E. Asia, Australia and Africa. John lectures regularly at Cranfield School of Industrial Sciences (UK) and is also a course Group Project External Examiner for Cranfield. He also lectures on offshore oil industry activities at ENSIETA (France), the Technical University of Delft (Holland) and the Northern Territories University in Darwin (Australia).

He is an active member of the UK Society for Underwater Technology (SUT) and serves on their Subsea Engineering and Operations Committee.

