Evening Lecture

Jointly Organised by
The Joint Branch of RINA & IMarEST
Society of Naval Architects and Marine Engineers Singapore
and
Centre for Offshore Research & Engineering (CORE), NUS

“Underwater Pipelines in the Arctic”
By Prof Andrew C. Palmer
Visiting Professor, National University of Singapore

Date: Monday 2 October 2006
Time: 6.30pm to 7pm Registration & Refreshments
Talk begins at 7 p.m. and ends at 9 p.m.
Venue: Seminar Room LT1, Faculty of Engineering, National University of Singapore
(see attached map)

Please see the attached documents for the abstract of the talk and biography of the speaker.
Please confirm with Ms. Juliana by Thursday 28 Sept 2006 via the reply slip.

A/Prof. Choo Yoo Sang
Chairman
The Joint Branch of the RINA and the IMarEST (Singapore)

REPLY SLIP - Fax No. 67791635; Tel No. 65162151; Ms Juliana Binte Miswan, Email: cvejulia@nus.edu.sg

Yes, I would like to attend the talk
Name : ____________________________________________________________
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“Underwater Pipelines in the Arctic”
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ABSTRACT

Large resources of oil and gas have been found under several Arctic and sub-Arctic seas, including the Beaufort Sea north of Alaska, the Pacific north-east of Sakhalin, the Barents Sea, the Canadian Arctic Islands and the northern Caspian. Few of them have yet been developed, but the recent price rise has generated increased interest and investment. Arctic underwater construction creates special problems, among them construction when the sea is ice-covered for much or all of the year, thawing of underwater permafrost, strudel scour, and above all ice gouging, where grounded ice scrapes along the seabed to cut wide and deep gouges and might destroy a pipeline.

ABOUT THE SPEAKER

Andrew Palmer is a Fellow of the Royal Society, a Fellow of the Royal Academy of Engineering, a Fellow of the Institution of Civil Engineers, and a Chartered Engineer. He has divided his career equally between practice as a consulting engineer and university teaching. In 1975 he joined R.J. Brown and Associates, at that time the leading consultant in this field. In 1985 he founded Andrew Palmer and Associates, a company of consulting engineers who specialise in marine pipelines, and have been engaged in projects in almost every part of the world. In 1996 he returned to research and university teaching as Research Professor of Petroleum Engineering at Cambridge University in England. He was a Visiting Professor in the Division of Engineering and Applied Sciences at Harvard University, 2002-03, and is currently a Visiting Professor in the National University of Singapore. He is the author of two books and more than 175 papers on pipelines, offshore engineering, geotechnics and ice. He has an active consulting practice.