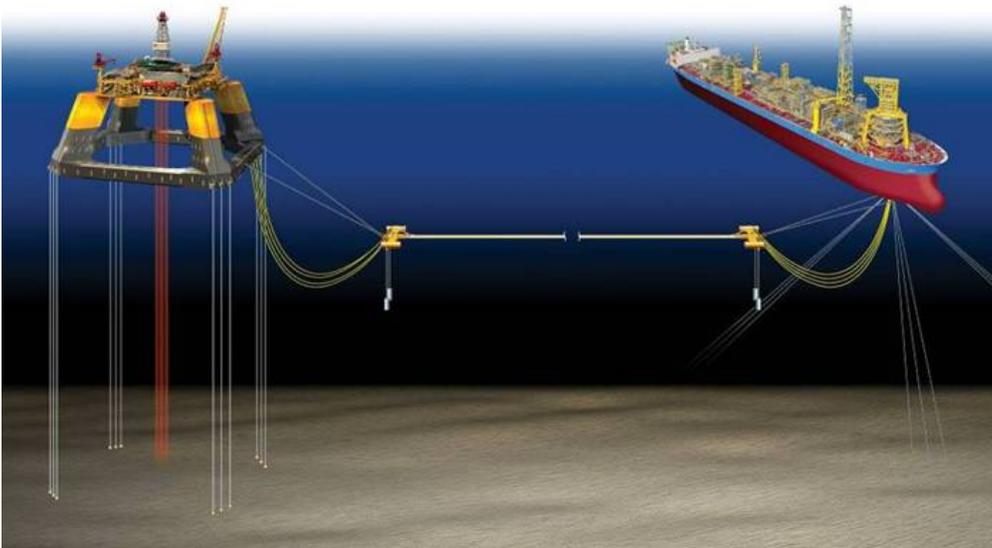


Fall 2009 Seminar Series

CHALLENGES AND INNOVATION IN CIVIL AND ENVIRONMENTAL ENGINEERING



Design of Deepwater Floating Offshore Production Systems

A.N. Williams
P&TD Hull Manager,
SBM Atlantia

Wednesday, November 18,
2009
129 DeBartolo Hall
4:30pm

As major offshore oil and gas reserves are discovered in ever-increasing water depths, a new generation of innovative engineering structures must be designed to meet the challenges of deepwater production. These structures must be designed to perform safely and efficiently for 20+ years, often in harsh environments in frontier locations. There is a lot of interest throughout the offshore industry in developing deepwater prospects. It has been estimated that in the next 5 years deepwater oil and gas production will double and almost \$140 billion will be spent on deepwater developments worldwide, and so it is potentially a huge market.

This seminar will first give an overview of SBM Offshore's capabilities and briefly discuss some of our recent projects. It will then present a general overview of deepwater floating production systems and show the characteristics of each. It will then focus on the development of SBM's new tension-leg platform (TLP) system for deepwater oil and gas production. Finally, it will discuss ongoing technology and product development activities at SBM's Houston office.



A reception and an opportunity to meet the speaker will take place at 4:00pm in the CE/GEOS office conference room, Fitzpatrick 156, before the seminar