EVENING LECTURE

Energy and Environment Division & Society of Petroleum Engineers (Ireland Section)

Subsea Compression - Game Changer for the Atlantic Margin

Date: Wednesday 7th October 2015

Time: 18:30 (sharp)

Venue: Engineers Ireland, 22 Clyde Road, Ballsbridge, Dublin 4

About the Event;

The presentation will consist of a brief introduction to the Atlantic Margin prospect and the techno-economic challenges for successful development, by the Petroleum Affairs Division of the Department of Communications Energy and Natural Resources.

One of the now maturing technologies which may be a game changer for deep water prospects is sub-sea processing and compression. The second part of the presentation will outline the process of developing the next generation subsea wet gas compression system from the initial brainstorming to a major collaborative technology initiative. Combining economic and engineering models we created an advanced prediction of the macroeconomics for subsea compression, mapping the critical design criteria and key drivers. Broad participation of all disciplines in the analysis enabled a common understanding for the subsea challenges, creating the foundation for a major technology initiative. An overview of the system and technology being developed will be presented.

GE Oil & Gas have been at the forefront in developing this technology and its development is considered to be a possible game changer for the commercialisation of new fields in frontier areas such as those in the Atlantic Margin off the west coast of Ireland. The development of this technology has potential to extend the life of existing fields which are based on sub-sea infrastructure.
GE Oil & Gas through its subsidiaries have provided some of the key sub-sea infrastructure for the Corrib field, which when designed was the longest sub-sea tie-back at that time.

About the Speakers;

**DCENR PAD - Introduction to the Atlantic Margin Prospect**

**Ashish Jain, - Principal Engineer, GE Oil & Gas**
Ashish Jain holds the position of Principal Engineer in the Subsea Power & Processing team of GE Oil & Gas and is based in GE’s Sandvika, Norway office. Ashish has the responsibility for all the technologies required to execute the development, qualification, construction and testing of subsea processing systems and products. Ashish joined GE in 2008 as Process & Flow Assurance Engineer and since then he has worked on development of several subsea process technologies. He started his career as topside Process Engineer with Tebodin Middle East in Abu Dhabi, UAE. Ashish graduated as a Master of Technology in Chemical Engineering from the Indian Institute of Technology (IIT Bombay) in 2005.

Participate on-line

The lecture will also be available live on webcast; [https://engineersireland.webex.com](https://engineersireland.webex.com)

A live webcast will take place in UCC’s [Environmental Research Institute](https://www.ucc.ie/en/research/eris/) on Lee Road. There is free parking at the location and the webcast will be upstairs in the main conference room.

For further information please contact;

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