

What is going on at the IRIS offices in the 8th floor?

**Rodica Mihai
and Geir Nævdal**

IRIS



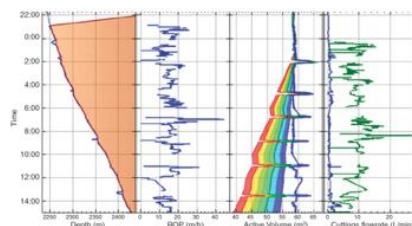
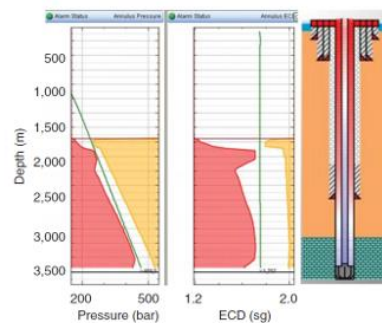
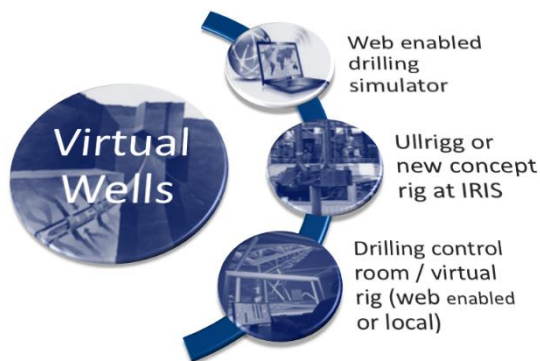
Friday January 29, 2016, from 10.00
Room 3137, 3rd floor, HiB (d. blokk)

Abstract

IRIS has an extensive research activity within energy, social sciences and marine biology. Main areas for IRIS Energy are drilling and well technology, reservoir technology, green technologies and research testing facilities.

We will give a short introduction to our work within real time modelling of the drilling process and name some of its challenges. Products of this work are among others, an unique simulation environment called Virtual Rig as well as automated drilling solutions which have been successfully implemented offshore. In the second part of the presentation we will introduce shortly our work on ensemble based methods for large scale parameter estimation and optimizations problems, with a particular focus on flow in porous media, namely oil reservoirs.

Main research area in IRIS has been so far oil related but we have currently increasing ongoing research activity to apply similar techniques within other research areas such as medicine research, i.e. blood flow modelling



TECHNOLOGY - WORK PROCEDURES - HUMAN FACTORS