WS14 Workshop 14

Saturday 03 June 2016

Title: Geophysics and Geomechanics, Jointly Applied to Subsurface Characterization

Room: Schubert 1

Convenors: Adam Cherrett (Maersk Oil)
            Ole Jørgensen (Maersk Oil)
            Pierre Thore (Total E&P)
            Paul Hatchell (Shell)

Session A

09:00 Introduction
09:30 WS14 A01 Simultaneous TV-regularized Time-lapse FWI with Application to Field Data - M. Maharramov (Stanford University), B.L. Biondi* (Stanford University) & M. Meadows (Chevron Energy Technology Company)
09:55 Discussion
10:50 Coffee Break

Session B

11:15 WS14 B01 Time Shift and Time Strain Estimation Methods - A.I. Cherrett* (Maersk Oil)
11:40 WS14 B02 R-factor Recovery via Geertsma’s Pressure Inversion Assisted by Engineering Concepts - M.Y. Wong* (Heriot-Watt University) & C. MacBeth (Heriot-Watt University)
12:05 Discussion
12:30 Lunch

Session C

13:30 WS14 C01 Overburden 4D Time Shifts Caused by Compacting Sandstone Reservoirs - T. Røste* (Statoil ASA), K. Duffaut (NTNU), M. Landro (NTNU) & G. Ke (Statoil ASA)
13:55 WS14 C02 Estimating the Dilation Factor Using Time-lapse Seismic Earth Quake Data - M. Landro* (Norwegian University of Science & Technology), S. Kodaira (JAMSTEC), T. No (JAMSTEC), W. Weibull (UIS) & B. Arntsen (NTNU)
14:20 Discussion
14:45 Coffee Break

Session D

15:05 WS14 D01 Assessing the Influence of Production Induced Shear Deformation on Time-lapse Seismic Measurements - C.O. Hindriks* (Shell Global Solutions International) & S. Hol (Shell Global Solutions International)
15:30 Discussion
16:20 Wrap up and Closing
16:30 End