

PROGRAMMA WORKSHOP 05

WS05	Sunday 29 May 2016
Title:	Reservoir Monitoring with Distributed Fibre-optic Sensing (DxS)
Room:	Schubert 4
Convenors:	Tim Whittle (BG) Heikki Jutila (BHI) Martin Karrenbach (Optasense) Albena Mateeva (Shell) Flavio Poletto (OGS Trieste) Juan Soldo (YPF) Sebastien Soulas (BP)

Demonstrating Value	
09:00	Introduction
09:10	WS05 A01 Low-Cost On-Demand Reservoir Monitoring with DAS Seismic – How Do we Get there? - A. Mateeva* (Shell Global Solutions International BV), J.L. Lopez (Shell International Exploration and Production Inc), K. Hornman (Shell Global Solutions International BV) & H. Potters (Shell Global Solutions International BV)
09:35	WS05 A02 Offshore Norway Valhall DAS Field Trial - Dual-well 3D VSP Made Possible by Distributed Acoustic Sensing Technology - I. Thomas (BP), S. Soulas* (BP), E. Kjos (BP), G. Zhan (BP), T. Jiang (BP) & T. Hance (BP)
10:00	WS05 A03 VSP Monitoring for CO2 Migration Tracking in Fractured Rock Massifs - M. Humphries* (VSProwess Ltd), J.A. Marin Vidal (CIUDEN) & J.C. de Dios (CIUDEN)
10:25	WS05 A04 Production Logging - A Fiber Optics Way - E. Lee (Baker Hughes Inc), L. Yang (Baker Hughes Inc), C. Mascagnini (Baker Hughes RDS), A. Kshirsagar (Baker Hughes RDS), K. Gohari* (Baker Hughes RDS), H. Jutila (Baker Hughes RDS), A. Chattopadhyay (Baker Hughes RDS) & A. Gryaznov (Baker Hughes RDS)
10:25	Discussion / Voting

Improving our Ways	
11:35	WS05 B01 Depth Calibration of DAS Data - R. Tøndel* (Statoil ASA), K.N. Madsen (Statoil ASA), D. Finfer (Silixa Ltd) & A. Clarke (Silixa Ltd)
12:00	WS05 B02 Improving the Quality of Fibre-optic Distributed Vibration Sensing Data - T. Dean (Schlumberger), T. Cuny* (Schlumberger), A. Hartog (Schlumberger), G. Lees (Schlumberger) & B. Underhill (Schlumberger)
12:25	WS05 B03 Distributed Strain and Deformation Monitoring System A. Balagopal (Baker Hughes Inc.), B. Childers (Baker Hughes Inc.), R. Duncan (Baker Hughes Inc.), C. Fazio (Baker Hughes Inc.), C. Lambert (Baker Hughes Inc.), M. Raum* (Baker Hughes Inc.), J. Sheridan (Baker Hughes Inc.) & P. Wysocki (Baker Hughes Inc.)
12:50	Discussion / Voting
13:15	Lunch

Better Understanding our Data	
14:00	WS05 C01 A Numerical Study of Cable Coupling of DAS Measurements - S. Schilke* (MINES ParisTech PSL Research University), D. Donno (MINES ParisTech PSL Research University), H. Chauris (MINES ParisTech PSL Research University), A. Hartog (Schlumberger), A. Farahani (Schlumberger) & Y. Pico (Schlumberger)
14:25	WS05 C02 Understanding the Value of What We Measure - A. Kshirsagar (Baker Hughes RDS), A. Chattopadhyay (Baker Hughes RDS), C. Mascagnini (Baker Hughes RDS), K. Gohari (Baker Hughes RDS), H. Jutila* (Baker Hughes RDS) & A. Gryaznov (Baker Hughes RDS)
14:50	WS05 C03 Detection of Seismic and Microseismic Using Distributed Acoustic Sensor (DAS) - T. Parker* (Silixa Ltd)
15:15	Discussion / Voting
15:40	Coffee break

Novel Applications of Existing Systems	
16:00	WS05 D01 Dual Waves by DAS Technology - A Review of Concept and Applications - F. Poletto* (OGS), D. Finfer (Silixa Ltd), P. Corubolo (OGS) & B. Farina (OGS)
16:25	WS05 D02 Dirt Cheap Surveys - Near Surface Monitoring with Ambient Seismic Noise Collected by DAS - AE.R. Martin* (Stanford University), J.B. Ajo-Franklin (Lawrence Berkeley National Lab), B. Biondi (Stanford University), K. Bjella (Cold Regions Research & Engineering Laboratory), T.M. Daley (Lawrence Berkeley National Lab), S. Dou (Lawrence Berkeley National Lab), B. Freifeld (Lawrence Berkeley National Lab), N. Lindsey (University of California, Berkeley), M. Robertson (Lawrence Berkeley National Lab), C. Ulrich (Lawrence Berkeley National Lab) & A. Wagner (Cold Regions Research & Engineering Laboratory)
16:50	Discussion / Voting
17:15	Wrap up and Closing
17:30	End