

Delphine Laurencin - *How Can Broadband Seismic Data Improve Reservoir Characterization?* WS01 workshop — 29-05-2016

Convenors: Pierre Thore (Total E&P), Benjamin Loidl (OMV), **Delphine Laurencin (CGG)**, Emma Tyler (OMV), Adam Cherrett (Maersk Oil), Christian Hanitzsch (Wintershall)

Sébastien Soulas - *Reservoir Monitoring with Distributed Fibre-optic Sensing (DxS)* WS05 workshop — 29-05-2016

Convenors: Tim Whittle (BG), Heikki Jutila (BHI), Martin Karrenbach (Optasense), Albena Mateeva (Shell), Flavio Poletto (OGS Trieste), Juan Soldo (YPF), **Sebastien Soulas (BP)**

Joffrey Brunelière - *Multi-component Seismic Imaging* session — 31-05-2016, 08:30

Tu LHR5 01 Sparse Ocean Bottom Node on the Alwyn Field - From Acquisition to Joint PP-PS Imaging
J. Brunelliere* (Total), S. Sioni (Total), A. Mitra (Total E&P UK), X. Lu (Total E&P UK) & A. Karagul (Total E&P UK)

Julien Colonge - *Optimizing Marine Acquisition Design* session — 31-05-2016, 08:30

08:30 Tu STZ0 01 Optimising an Acquisition Design for Sub-salt Targets Using Full Wave Modelling
R. LENCREROT* (Total), **J. Colonge (Total)** & F. Studer (Total)

Christophe Courtial, Valérie Biran - *Permanent Reservoir Monitoring* session — 31-05-2016, 08:30

Tu LHR2 01 Time-lapse Observations from PRM at Snorre
M. Thompson* (Statoil ASA), M. Andersen (Statoil ASA), S.M. Skogland (Statoil ASA), **C. Courtial (Statoil ASA)** & **V.B. Biran (Statoil ASA)**

Philippe Gay - *Potential Field Methods Case Studies* e-Posters session — 31-05-2016, 08:30

Tu P1 01 3D Modeling of the Regional Basement Structure Off- and Onshore Congo Based on Inversion of Satellite-derived Gravity Data
M. Behm* (OMV), **P. Gay (OMV)** & P. Dzido (OMV)

Lucas Pimienta - *Rock Physics I* session — 31-05-2016, 08:30

Tu SBT5 01 Dispersion and Attenuation for the Drained/Undrained Transition - Modelling the Experiment
L. Pimienta* (ENS - Laboratoire de Géologie), J. Borgomano (ENS - Laboratoire de Géologie), J. Fortin (ENS - Laboratoire de Géologie) & Y. Guéguen (ENS - Laboratoire de Géologie)

Jean-Claude Puech - *VSP and Borehole Geophysics* e-Posters session — 31-05-2016, 08:30

Tu P4 01 Is There Value in Highly Spatially Sampled Zero-offset Vertical Seismic Profiles?
T. Dean (Schlumberger Oilfield UK), M. Clark (Schlumberger), T. Cuny* (Schlumberger) & **J. Puech (Schlumberger)**

Joffrey Brunelière - *Multi-component Seismic Imaging* session — 31-05-2016, 08:55

Tu LHR5 02 Sparse Nodes and Shallow Water - PS Imaging Challenges on the Alwyn North Field
J. Holden (CGG), D. Fritz (CGG), O. Bukola (CGG), J. McLeman (CGG), R. Refaat (CGG), C. Page* (CGG), **J. Brunelliere (Total)**, S. Sioni (Total), A. Mitra (Total E&P UK) & X. Lu (Total E&P UK)

Jean-Luc Mari - *Reservoir Characterization Using Seismic* e-Posters session — 31-05-2016, 08:55

Tu P2 02 Flow Detection Using Well Seismic Data
J.L.O. Mari* (IFP Energies Nouvelles) & G. Porel (CNRS IC2MP UMR 7285 Université Poitiers)

Renaud Laurain - *Optimizing Marine Acquisition Design* session — 31-05-2016, 09:20

Tu STZ0 03 Cooperating for Optimizing Seismic Acquisition - A Case Study in the Horda Tampen Area
R. Laurain* (Statoil ASA), G. Pattison (Reservoir Imaging Ltd), T. Elboth (CGG) & J. Pollatos (Dolphin Geophysical)

- Romarc Macault - *Permanent Reservoir Monitoring* session — 31-05-2016, 09:20
Tu LHR2 03 Seabed Subsidence Monitoring at Snorre with PRM Inclinator Measurements
M. Houbiers (Statoil ASA), **R. Macault (Previously MSc student at IFP School)**, T. Røste* (Statoil ASA) & M. Thompson (Statoil ASA)
- Paul Cupillard - *VSP and Borehole Geophysics* e-Poster session — 31-05-2016, 09:45
Tu P4 04 Reduction of Fault Uncertainties Using Vertical Seismic Profiling Data
M. Irakarama* (RING-GeoRessources, Université de Lorraine), **P. Cupillard (RING-GeoRessources, Université de Lorraine)** & G. Caumon (RING-GeoRessources, Université de Lorraine)
- Alexandre Stopin - *Full Waveform Inversion I - Viscous Effects and Case Studies* session — 31-05-2016, 09:45
Tu SRS2 04 Visco-acoustic Full Waveform Inversion
R.E. Plessix* (Shell Global Solutions International BV), **A. Stopin (Shell Global Solutions International BV)**, H. Kuehl (Shell Global Solutions International, USA), V. Goh (Shell Global Solutions International, Malaysia) & K. Overgaag (Shell Global Solutions International, Malaysia)
- Lucas Pimienta - *Rock Physics I* session — 31-05-2016, 10:30
Tu SBT5 05 A Set-up for Dispersions and Attenuations Measurements in Fluid-saturated Rocks
L. Pimienta* (ENS - Laboratoire de Géologie), J. Fortin (ENS - Laboratoire de Géologie) & Y. Guéguen (ENS - Laboratoire de Géologie)
- Patrick Baud - *Carbonate Petrophysics* session — 31-05-2016 11:45
Tu ST22 08 Characterization of Pore Geometry in Limestones Using X-ray Computed Microtomography
Y. Ji (China Earthquake Administration, Beijing, China), **P. Baud* (University of Strasbourg (EOST))** & T. Wong (Chinese University of Hong Kong)
- Alexandre Egreteau - *Multiple Attenuation* session — 31-05-2015, 11:45
11:45 Tu ST21 08 Interbed Multiple Attenuation Using a Reflectivity Model from Well Logs
A. Egreteau* (OMV Exploration & Production GmbH), F. Adouani (OMV Tunisia Production GmbH), G. Cantarella (OMV Tunisia Production GmbH), J. Friha (OMV), R. Lenckowski (OMV Exploration & Production GmbH), M. Mnassri (OMV Tunisia Production GmbH), A. Noura (OMV Exploration & Production GmbH), J. Orosz (OMV Exploration & Production GmbH), E. Tyler (OMV Exploration & Production GmbH) & B. Ben Rejeb (ETAP)
- Maud Cavalca - *Seismic Attenuation I* session — 31-05-2016, 13:30-17:10
Chairman: **M. Cavalca - Schlumberger**, G. Quiroga-Goode - Universidad Autonoma de Tamaulipas
- Didier Rappin - *Timelapse Acquisition and Processing* session — 31-05-2016, 13:30-17:10
Chairman: **D. Rappin - Total**, E. Zabihi Naeini - Ikon Science
- Isabelle Lecomte - *Reservoir Geology, Petroleum Systems and Analogs* e-posters session — 31-05-2016, 13:55
Tu SP2 10 Three-dimensional Geological Modelling of a Slope-to-basin Carbonate Reservoir Analogue - The Case of the Maiella Mt.
V. Mascolo* (University of Chieti Pescara), G. Rusciadelli (University of Chieti Pescara), C. Ricci (University of Chieti Pescara) & **I. Lecomte (NORSAR / University of Oslo)**
- Alexandre Stopin - *Seismic Attenuation I* session — 31-05-2016, 14:45
Tu ST20 12 Application of Visco-acoustic Full Waveform Inversion for Gas Cloud Imaging and Velocity Model Building
A. Stopin* (Shell Global Solutions International BV), R.E. Plessix (Shell Global Solutions International B.V.), H. Kuehl (Shell Global Solutions International B.V.), V. Goh (Shell Global Solutions International B.V.) & K. Overgaag (Shell Global Solutions International B.V.)
- Charles-Antoine Lameloise - *Imaging Parameter Estimation* session — 31-05-2016, 15:30
Tu SRS2 13 From Migration to Inversion Velocity Analysis - Impact on the Shape of the Gradient
H. Chauris* (Mines ParisTech) & **C.A. Lameloise (Mines ParisTech)**

Pierre Lanfranchi - *Seismic Reservoir Characterization I - Seismic Inversion Advance* session — 01-06-2016, 08:30-12:10

Chairman: J.A. Edgar - Total E&P UK Limited, **P. Lanfranchi - Maersk Oil**

Thomas Schaaf - *Decision Risk Analysis and Managing Uncertainty (SPE)* session — 01-06-2016, 08:30-12:10

Chairman: A.C. Gringarten - Imperial College London, **T. Schaaf - Storengy**

Simon Wolfarth - *Simultaneous Sources* session — 01-06-2016, 08:30

We LHR2 01 Where Are we Today with ISS® De-blending Processing Capability? Results from Shallow Water OBC Data, Indonesia

S. Wolfarth (BP Indonesia), D. Priyambodo (BP Indonesia), T. Manning (BP Indonesia), T. Septyana* (BP Indonesia) & S. Putri (BP Indonesia)

Simon Wolfarth - *Full Waveform Inversion II - Inversion Strategies* session — 01-06-2016, 08:30

We SRA2 01 Subsea Karst Detection and Imaging Improvement Using Full Waveform Inversion

F. C. Loh* (CGG), B.L. Chuah (CGG), J. Zhou (CGG), T. Manning (BP), **S. Wolfarth (BP)** & D. Priyambodo (BP)

Thomas Bianchi - *Simultaneous Sources* session — 01-06-2016, 08:55

We LHR2 02 Recovery of Blended Data - A Sparse Coding Approach for Seismic Acquisition

M. Guillouet* (CGG), A. Berthaud (CGG), **T. Bianchi (CGG)**, G. Pignot (CGG), S. Mahrooqi (Petroleum Development Oman) & J. Shorter (Petroleum Development Oman)

Thomas Bianchi, Philippe Herrmann - *Optimizing Land Acquisition Design* session — 01-06-2016, 08:55

We LHR4 02 Maximizing Information Content of Seismic Data through Optimized Acquisition Design - A Case History from South Tunisia

M. Pastori (ENI), M. Buia (ENI), A. Masciarelli (ENI), G. Tortini (ENI), F. Pradalié (CGG), **T. Bianchi (CGG)**, H. Millet (CGG), S. Trabelsi (CGG), W. Oueslati (CGG) & **P. Herrmann* (CGG)**

Isabelle Lecomte - *Seismic Reservoir Characterization I - Seismic Inversion Advance* session — 01-06-2016, 09:20

We LHR3 03 Prestack Simultaneous Inversion to Predict Lithology in the Realgrunnen Subgroup of the Goliat Field, SW Barents Sea

H.D. Yenwongfai* (University of Oslo/Statoil ASA), N.H. Mondol (University of Oslo), **I. Lecomte (NORSAR/ University of Oslo)** & J.I. Faleide (University of Oslo)

Thomas Schaaf - *Decision Risk Analysis and Managing Uncertainty (SPE)* session — 01-06-2016, 09:20

We SBT1 03 Automated History-matching of Radial Models Using Self Organizing Classification Method for Underground Gas Storage Reservoirs Characterization

F. Huguet* (Storengy), A. Lange (Storengy), P. Egermann (Storengy) & **T. Schaaf (Storengy)**

Antoine Guitton - *Full Waveform Inversion II - Inversion Strategies* session — 01-06-2016, 10:30

We SRA2 05 An Optimal Parameterization for Full Waveform Inversion in Anisotropic Media

T. Alkhalifah* (KAUST) & **A. Guitton (Geo Imaging Solutions, Inc.)**

Antoine Guitton - *Full Waveform Inversion II - Inversion Strategies* session — 01-06-2016, 10:55

We SRA2 06 Full-waveform Inversion in an Anisotropic Elastic Earth - Can We Isolate the Role of Density and Shear Wave Velocity?

A. Guitton* (Geolmaging Solutions - Colorado School of Mines) & T. Alkhalifah (KAUST)

Thomas Schaaf - *Quantifying and Managing Uncertainty in Reservoir Modelling* session — 01-06-2016, 13:30-16:45

Chairman: M. Sayyafzadeh - University of Adelaide, **T. Schaaf - Storengy**

Philippe Caprioli - *Broadband Processing of Single Component Data* session — 01-06-2016, 13:55

We SRS3 10 Single-component Deghosting Using a Data Adaptive Energy Minimization Approach

Y.I. Kamil* (Schlumberger), M.G. Schuberth (formerly Schlumberger, now Statoil), **P. Caprioli (Schlumberger)**, D.J. van Manen (ETH Zürich) & M. Vassallo (Schlumberger)

Benoît Luquet, Fabien Cubizolle - *Rock Physics III - Interpretation and Stress Dependency* session — 01-06-2016, 13:55

We STZ0 10 New Technique for Rock Physics Prediction Based on the Seismic Interpretation

B. Luquet* (Eliis), T. Valding (Eliis), **F. Cubizolle (Eliis)** & N. Daynac (Eliis)

- Reza Afrazmanech - *Broadband Processing of Single Component Data* session — 01-06-2016, 14:20
 We SRS3 11 Multi-survey Matching of Marine Towed Streamer Data Using a Broadband Workflow - A Shallow Water Offshore Gabon Case Study
 N. Payne* (ION), T. Martin (ION (now at PGS)), J. Denly (ION) & **R. Afrazmanech (Perenco UK)**
- Dider Rappin - *Time-lapse Seismic Interpretation I* session — 01-06-2016, 15:30
 We LHR2 13 Comparison of 4D Seismic Inversion Methods for Qualitative Water Breakthrough Risk Assessment before Drilling
D. Rappin* (Total), Y. Arroub (Total), P. Cruz (Total), C. Hubans (Total) & R. Kossaleba (Total)
- Christine Heimlich, Frédéric Masson - *Innovative Technologies I* session — 01-06-2016, 15:55
 We SBT4 14 Surface Displacements around the Geothermal Power Plant of Landau (Germany)
C. Heimlich (University of Strasbourg (EOST)) & **F. Masson* (University of Strasbourg (EOST))**
- Sébastien Soulas - *Distributed Acoustic Sensors and Borehole Geophysics* session — 02-06-2016, 08:30-11:45
 Chairman: S.A. Petersen - Statoil ASA, **S. Soulas - BP**
- Maud Cavalca - *AVO Inversion and Rock Physics e-Posters* session — 02-06-2016, 08:30
 Th P6 01 Prestack Depth-domain Inversion after Reverse Time Migration
 X. Du* (Schlumberger), R. Fletcher (Schlumberger) & **M. Cavalca (Schlumberger)**
- Elsa Cecconello - *Seismic Modelling III* session — 02-06-2016, 08:55
 Th SBT5 02 Modelling Seismic Data for Time-varying Rough Sea Surfaces
E. Cecconello* (EOST), E. G. Asgedom (PGS Geophysical AS), O.C. Orji (PGS Geophysical AS) & W. Söllner (PGS Geophysical AS)
- Sébastien Soulas - *Distributed Acoustic Sensors and Borehole Geophysics* session — 02-06-2016, 09:45
 Th STZ2 04 Learnings from Distributed Acoustic Sensing Data Processing for Seismic Applications - A Case Study from the North Sea
 T. Hance* (BP Exploration Operating Co. Ltd), T. Jiang (BP America Inc), G. Zhan (BP America Inc), E. Kjos (BP Norge AS), R. Geetan (BP America Inc), **S. Soulas (BP Exploration Operating Co. Ltd)** & I. Thomas (BP Exploration Operating Co. Ltd)
- Emmanuelle Brechet - *Building and Updating Subsurface 3D Models* session — 02-06-2016, 09:20
 Th LHR4 03 Litho-seismic Constrained Object Model Geo-modelling and Infilling of Turbiditic Lobe Complexes
 H. Ben-Hadj-Ali* (Total E&P), R. Piquot (Total E&P), V. Silva (Total E&P), P. Biver (Total E&P), P. Henriquel (Total E&P) & **E. Brechet (Total E&P)**
- Maud Cavalca, Philippe Caprioli - *RTM, Least Squares and Kirchhoff Methods* e-Poster session — 02-06-2016, 09:20
 Th P1 03 Least-squares Kirchhoff Depth Migration in the Image Domain
M. Cavalca* (Schlumberger), R.P. Fletcher (Schlumberger) & **P. Caprioli (Schlumberger)**
- Anna Rivet - *AVO-AVA Analysis - Case Histories* session — 02-06-2016, 11:20
 Th SRS3 07 A Global-scale AVO-based Pre-stack QC Workflow - An Ultra-dense Dataset in Tunisia
A. Rivet* (CGG), V. Souvannavong (CGG), C. Lacombe (CGG), T. Coleou (CGG) & D. Marin (CGG)
- Nicolas Delepine - *Seismic Reservoir Characterization III - Inversion Case Studies* session — 02-06-2016, 14:45
 Th LHR3 12 Added Value of Using a 3D Faulted a Priori Model with Seismic Inversion - A Real Case Study of the Alwyn North Field
 V. Clochard (IFP Energies Nouvelles), **N. Delepine (IFP Energies Nouvelles)**, J.F. Rainaud* (IFP Energies Nouvelles), M. Poudret (Geosiris) & E. Klein (Extia)
- Bruno Pagliccia - *Broader Bandwidth Seismic Signal Processing* session — 02-06-2016, 15:55
 Th SRS3 14 Vintage Data Reprocessing - Sweetest Smoke May Come from Old Pipes - A 2D Onshore Case
B. Pagliccia* (Total), M. Nowak (Geofizyka Torun), W. Ogonowski (Geofizyka Torun), M. Podolak (Geofizyka Torun) & D. Hall (Total E&P Yemen)