

Sébastien Soulas - *WS08 Fibre Optic Sensors in Surface and Borehole Geophysics* workshop - Mo 11 June  
Chair: J. Musser (Total), V. Lesnikov (Total), M. Thompson (Equinor), **S. Soulas (BP)**

Maud Cavalca - *Seismic Reservoir Characterization I - Seismic Quantitative Interpretation* session — Tu 12 June  
08:30 Tu D 01 - Improving Quantitative Interpretation beneath Sand Injectites: A North Sea Case Study -  
C. Leone<sup>1\*</sup>, A. Osen<sup>2</sup>, **M. Cavalca**<sup>1</sup>, R. Fletcher<sup>1</sup>, M. Ferriday<sup>1</sup>  
<sup>1</sup>Schlumberger, <sup>2</sup>AkerBP ASA

Fabrice Mandroux - *Marine Seismic Acquisition* session — Tu 12 June  
08:30 Tu E 01 - Expanding the Limits of Operational Feasibility in Marine Seismic Acquisition: Deploying a  
Source-Over-Spread Solution - A. Camerer<sup>1\*</sup>, C. Grubb<sup>1</sup>, **F. Mandroux**<sup>1</sup>  
<sup>1</sup>CGG

Alexandre Stopin - *FWI - Case Histories* session — Tu 12 June  
08:55 Tu A12 02 - Application of Anisotropic Wave Form Inversion on Data from the Niger Delta -  
N. Mitchell<sup>1\*</sup>, A. Oni<sup>2</sup>, **A. Stopin**<sup>1</sup>, C. Pérez Solano<sup>1</sup>, R. Plessix<sup>1</sup>, J. Emakpor<sup>3</sup>  
<sup>1</sup>Shell Global Solutions International BV, <sup>2</sup>Shell Petroleum Development Company of Nigeria Ltd, <sup>3</sup>Shell  
Nigeria Exploration Production Company

Maud Cavalca - *Multiple Attenuation and Manipulation / Imaging I* session — We 13 June  
09:45 We C 04 - Using Models of Attenuation in the Prediction of Internal Multiples: Methodology and  
Synthetic Data Examples - C. Kostov<sup>1\*</sup>, J. Wu<sup>1</sup>, Z.J. Wu<sup>1</sup>, F. Xavier de Melo<sup>1</sup>, **M. Cavalca**<sup>1</sup>  
<sup>1</sup>Schlumberger

Virginie Harcouët-Menou - *Geothermal Solutions I (Dedicated Session)* session — Tu 12 June  
09:45 Tu B 04 - The Balmatt Demonstration Deep Geothermal Project in Belgium - S. Bos<sup>1</sup>, B. Laenen<sup>1</sup>,  
**V. Harcouët-Menou**<sup>1\*</sup>  
<sup>1</sup>VITO

Nicolas Cuenot, Vincent Maurer, Justine Mouchot, Jeanne Vidal - *Geothermal Solutions I (Dedicated Session)*  
session — Tu 12 June  
11:45 Tu B 08 - Exploiting Fractured Granites for Producing Heat or Electricity - Dream or Reality? - A. Genter<sup>1\*</sup>,  
C. Baujard<sup>1</sup>, **N. Cuenot**<sup>1</sup>, R. Hehn<sup>1</sup>, **V. Maurer**<sup>1</sup>, **J. Mouchot**<sup>1</sup>, O. Seibel<sup>1</sup>, **J. Vidal**<sup>1</sup>  
<sup>1</sup>ES Géothermie

David Eckert - *4D Case Studies* session — We 13 June  
11:45 We A 08 - 4D Value on Gullfaks: Stronger Than Ever - **D. Eckert**<sup>1\*</sup>, E. Sadikhov<sup>1</sup>, B. King<sup>1</sup>, F. Hansteen<sup>1</sup>,  
P. Saure-Thomassen<sup>1</sup>, T.V. Mardalen<sup>1</sup>  
<sup>1</sup>Statoil ASA

Alexandre Stopin - *FWI - Case Histories* session — Tu 12 June  
11:45 Tu A12 08 - Acoustic Vs. Elastic 3-D Full-Waveform Inversion at the East Pacific Rise 9°50'n' -  
M. Marjanovic<sup>1\*</sup>, R.E. Plessix<sup>2</sup>, **A. Stopin**<sup>2</sup>, S. Singh<sup>1</sup>  
<sup>1</sup>Institut de Physique du Globe de Paris, <sup>2</sup>Shell

Thomas Schaaf - *Unconventional Resources II (EAGE-SPE)* session — Tu 12 June 13:30-17:10  
Convenors: **T. Schaaf**; T. Whittle

Didier Lecerf - *4D Analysis and Evaluation I* session — Tu 12 June

13:30 Tu A15 09 - 4D Broadband Towed-Streamer Assessment, West Africa Deep Water Case Study -

**D. Lecerf**<sup>1\*</sup>, D. Raistrick<sup>1</sup>, B. Caselitz<sup>1</sup>, M. Wingham<sup>2</sup>, J. Bradley<sup>2</sup>, B. Moseley<sup>3</sup>

<sup>1</sup>PGS, <sup>2</sup>BP, <sup>3</sup>formaly BP

Antoine Guitton - *Seismic Interpretation I - Automation through AI, Machine Learning, Deep Learning* session — Tu 12 June

13:55 Tu D 10 - 3D Convolutional Neural Networks for Fault Interpretation - **A. Guitton**<sup>1\*</sup>

<sup>1</sup>DownUnder Geosolutions

Maud Cavalca - *Seismic Imaging - Least Squares and Migration* poster session — Tu 12 June

14:20 Tu P9 11 - Improving Image-domain Least-squares Reverse Time Migration Close to High Velocity

Contrasts - R. Fletcher<sup>1\*</sup>, **M. Cavalca**<sup>1</sup>

<sup>1</sup>Schlumberger

Jimmy Klinger - *Exploration Plays and Prospects A* poster session — Tu 12 June

14:20 Tu P4 11 - Reservoir Characterization in Exploration: Integrated Workflow to Enhance the

Understanding of a Norwegian Sea Prospect - H. Datir<sup>1</sup>, A. Oevreide<sup>1\*</sup>, **J. Klinger**<sup>1</sup>

<sup>1</sup>Schlumberger

Jean Charlety - *Seismic Interpretation I - Automation through AI, Machine Learning, Deep Learning* session — Tu 12 June

15:30 Tu D 13 - Mixing Unsupervised and Knowledge-Based Analysis for Heterogeneous Object Delineation in Seismic Data - P. Le Bouteiller<sup>1,2\*</sup>, **J. Charléty**<sup>1</sup>, F. Delprat-Jannaud<sup>1</sup>, D. Granjeon<sup>1</sup>, C. Gorini<sup>2</sup>

<sup>1</sup>IFP Energies Nouvelles, <sup>2</sup>Sorbonne Université, CNRS-INSU, ISTeP

Jérémie Giraud - *Reservoir Characterization II* session — Tu 12 June

15:55 Th L 14 - The Upper Jurassic Oxfordian Play on the NCS: The Role of Geophysics in Characterizing a Challenging Sandstone Reservoir - **J. Giraud**<sup>1\*</sup>, A. Bosold<sup>1</sup>, B. Köhrer<sup>1</sup>

<sup>1</sup>Wintershall Norge

Maëlle Grout - *Seismic Interpretation I - Automation through AI, Machine Learning, Deep Learning* session — Tu 12 June

16:45 Tu D 16 - Fast 3D Seismic Interpretation with Unsupervised Deep Learning: Application to a Potash Network in the North Sea - A. Veillard<sup>1\*</sup>, O. Morère<sup>1</sup>, **M. Grout**<sup>2</sup>, J. Gruffeille<sup>2</sup>

<sup>1</sup>Krakatoa Pte Ltd, <sup>2</sup>ENGIE EP International

Lucas Pimienta - *Rock Physics I - Brittleness and Cementation* session — Tu 12 June

16:45 Tu A11 16 - Evolution in Physical Properties of Quartz-Bearing Rocks with Evolving Degree of Microfissuration - **L. Pimienta**<sup>1\*</sup>, M. Violy<sup>1</sup>

<sup>1</sup>Ecole Polytechnique Federale de Lausanne

Sandrine Vidal-Gilbert - *Unconventional Resources II (EAGE-SPE)* session — Tu 12 June

16:45 Tu J 16 - An Integrated Geomechanics-Fracturing and Reservoir Simulation Workflow for Optimized Stimulated Rock Volume in the Vaca - **S. Vidal-Gilbert**<sup>1\*</sup>, R. Cugnart<sup>1</sup>, Y. Sanz-Perl<sup>1</sup>, S. Estrada<sup>1</sup>, Y. Wu<sup>1</sup>, V. De Gennaro<sup>2</sup>

<sup>1</sup>Total, <sup>2</sup>Schlumberger

Emmanuelle Brechet - *Seismic Interpretation B - Seismic Attributes* poster session — We 13 June 8:30-11:45

Convenors: **E. Brechet**; O. Vejbæk

Didier Rappin - *4D Analysis and Evaluation A* poster session — We 13 June 13:30-17:10

Convenors: **D. Rappin**; C. Tarchiani

Thomas Schaaf - *EOR/IOR Strategies and Recovery Optimisation I (SPE) session* — We 13 June 13:30-17:10  
Convenors: T. Manai; **T. Schaaf**

Pierre-Yves Raya - *Seismic Imaging - Case Histories II session* — We 13 June  
14:20 We A10 11 - Risk Reduction and Accelerating Drill or Drop Decisions Using DHI and AVO Anomalies: A Case Study from the Vema Dome, NC - **P.Y. Raya**<sup>1\*</sup>, P. Brown<sup>2</sup>, J. Singh<sup>2</sup>, S. Greenwood<sup>2</sup>, J. Raffle<sup>2</sup>, R. O'Driscoll<sup>2</sup>  
<sup>1</sup>Wintershall Norge AS, <sup>2</sup>ION

Marc Beller - *Reservoir Quality Modelling - Applied Studies and Case Histories (Dedicated Session) session* — We 13 June  
14:45 We G 12 - Rembrandt and Vermeer Oil Fields, Dutch Offshore Block F17-The Impact of Grains on Maastrichtian Chalk Reservoir Quality - H. van Lochem<sup>1\*</sup>, **M. Beller**<sup>1</sup>  
<sup>1</sup>Wintershall Noordzee BV

Maud Cavalca - *Seismic Attenuation - Theory And Practice I session* — We 13 June  
14:45 We F 12 - A Match-filter Approach for Q Estimation and Compensation after Depth Migration - **M. Cavalca**<sup>1\*</sup>, R.P. Fletcher<sup>1</sup>  
<sup>1</sup>Schlumberger

Gwenola Michaud - *Micro-seismicity and Passive A poster session* — We 13 June 15:30-17:10  
Convenors: V. Kazei; **G. Michaud**

Sandrine Deneuwillers - *Seismic Interpretation II - Interpretation and Processing session* — We 13 June  
15:30 We A 13 - Multi-Azimuth Modelling, Acquisition and Co-Processing for Joint Structural Interpretation and Model-Uncertainty Assessm - A. Wever<sup>1\*</sup>, **S. Deneuwillers**<sup>1</sup>, V. Smirnov<sup>1</sup>, J. Schaaf<sup>2</sup>  
<sup>1</sup>Wintershall Noordzee B.V., <sup>2</sup>formerly Wintershall Noordzee B.V.

Céline Filippi, Adnand Bitri - *Near Surface - Mining Geophysics session* — We 13 June  
15:55 We A10 14 - H/V Ratio as an Indicator for Cavity Detection : Numerical and Experimental Study - **C. Filippi**<sup>1,2\*</sup>, D. Leparoux<sup>1</sup>, G. Grandjean<sup>2</sup>, **A. Bitri**<sup>2</sup>, P. Côte<sup>1</sup>  
<sup>1</sup>IFSTTAR, <sup>2</sup>BRGM

Emmanuel Masini - *Seismic Interpretation II - Interpretation and Processing session* — We 13 June  
16:20 We A 15 - Revisiting Pyrenean Foothills Structural Imaging by Seismic Interpretation in the Shot Domain - Case Study from 2D ECORS - H. Puntous<sup>1</sup>, F. Adler<sup>1\*</sup>, C. Strobbia<sup>2</sup>, **E. Masini**<sup>1</sup>, S. Calassou<sup>1</sup>  
<sup>1</sup>Total SA, <sup>2</sup>Realtimeseismic

Marc Beller - *Activation and Flow Assurance, Fluid Characterization poster session* — Th 14 June 8:30-11:45  
Convenors: C. Rodriguez Suarez; **M. Beller**

Jérémy Giraud - *Potential Field Methods I session* — Th 14 June  
08:55 Th F 02 - Inverse Problem Resolution Using Geologically Conditioned Gradient- Based Regularization – Application to the Yerrida Bas - **J. Giraud**<sup>1\*</sup>, M. Lindsay<sup>1</sup>, O. Vitaliy<sup>1</sup>, R. Martin<sup>2</sup>, E. Pakyuz-Charrier<sup>1</sup>, M. Jessell<sup>1</sup>  
<sup>1</sup>University Of Western Australia, <sup>2</sup>Observatoire Midi-Pyrénées, Géosciences Environnement Toulouse

Risto Siliqi - *Land Seismic Acquisition session* — Th 14 June 10:30-12:10  
Convenors: **R. Siliqi**; K. Al-Yahya

Alexandre Stopin - *Seismic Imaging - Case Histories B poster session* — Th 14 June 10:30-12:10  
Convenors: **A. Stopin**

Thomas Rebert, Guillaume Gigou, Lilas Vivin - *Land Seismic Noise Attenuation* session — Th 14 June  
10:55 Th C 06 - De-noising Strategy on Single-source Single-sensor Data: a Case Study from North Kuwait -  
**T. Rebert**<sup>1\*</sup>, J. Rivault<sup>1</sup>, **G. Gigou**<sup>1</sup>, **L. Vivin**<sup>1</sup>, H. Toubiana<sup>1</sup>, S. Baillon<sup>1</sup>, A. Prescott<sup>1</sup>, D. Le Meur<sup>1</sup>, A. El-Emam<sup>2</sup>,  
H. Bayri<sup>2</sup>  
<sup>1</sup>CGG, <sup>2</sup>KOC

Bruno Pagliccia - *Land Seismic Acquisition* session — Th 14 June  
10:55 Th B 06 - METIS Hits The Ground in Papua New Guinea, a Field-Proof Innovative Method to  
Revolutionize Onshore Seismic Acquisition - **B. Pagliccia**<sup>1\*</sup>, K. Dalton<sup>4</sup>, C. Walker<sup>2</sup>, K. Elder<sup>3</sup>, R. Jenneken<sup>5</sup>  
<sup>1</sup>Total, <sup>2</sup>Geokinetics, <sup>3</sup>Wireless Seismic Incorporated, <sup>4</sup>RPS, <sup>5</sup>SeismicMechatronics

Gregor Duval - *Passive Margins - Tectonics and Sedimentation* session — Th 14 June  
11:20 Th D 07 - Evidence for a More Complex Crustal Setting Offshore Gabon: Support from a High-Resolution  
Regional Seismic Dataset Int - P. Martinez Duran<sup>1\*</sup>, M. Pearsons<sup>2</sup>, W. Soyer<sup>2</sup>, **G. Duval**<sup>3</sup>  
<sup>1</sup>CGG, Geoconsulting, <sup>2</sup>CGG, Multi-Physics Imaging, <sup>3</sup>CGG, Multi-Client and New Ventures

Lucas Szafran, Anne-Sophie Barnola - *Integration A* poster session — Th 14 June  
11:20 Th P7 07 - Geological Modelling for Seismic Modelling - C. Ronot<sup>1\*</sup>, **L. Szafran**<sup>1</sup>, R. Lencrerot<sup>1</sup>,  
**A. Barnola**<sup>1</sup>  
<sup>1</sup>Total

Patrick Baud, Fabrice Surma, Perrine Schloegel - *Carbonate Reservoirs A* poster session — Th 14 June  
11:45 Th P6 08 - Study of Stylolites Using Laser Induced Breakdown Spectroscopy - **P. Baud**<sup>1\*</sup>, **F. Surma**<sup>2</sup>,  
**P. Schloegel**<sup>1</sup>  
<sup>1</sup>University of Strasbourg, <sup>2</sup>Epitopos

Cédric Fayemendy - *Permanent Reservoir Monitoring* session — Th 14 June  
13:30 Th F 09 - Johan Sverdrup Permanent Reservoir Monitoring. Layout Planning of the Seismic Cables -  
**C. Fayemendy**<sup>1\*</sup>, M.G. Schubert<sup>1</sup>, O. Lyse<sup>1</sup>, S. Winterstø<sup>1</sup>  
<sup>1</sup>Statoil ASA

Damian Kula, Maximilien Lehujeur, Jérôme Vergne, Jean Schmittbuhl, Dimitri Zigone - *Interferometry -  
Marchenko Methods* poster session — Th 14 June  
13:30 Th P9 09 - Steps toward Monitoring a Deep Geothermal Reservoir in Northern Alsace with Ambient  
Seismic Noise Interferometry - **D. Kula**<sup>1</sup>, **M. Lehujeur**<sup>1</sup>, **J. Vergne**<sup>1\*</sup>, **J. Schmittbuhl**<sup>1</sup>, **D. Zigone**<sup>1</sup>  
<sup>1</sup>Institut de Physique du Globe de Strasbourg, Université de Strasbourg EOST/CNRS

Mathieu Reinier - *Velocity Model Building - Tomography* session — Th 14 June  
13:30 Th A12 09 - Migration Confidence Analysis: Resolved Space Uncertainties - J. Messud<sup>1\*</sup>, P. Guillaume<sup>1</sup>,  
**M. Reinier**<sup>1</sup>, C. Hidalgo<sup>2</sup>  
<sup>1</sup>CGG, <sup>2</sup>INEOS

Noémie Pernin - *Carbonate Reservoirs II* session — Th 14 June  
13:55 Th C 10 - Intra-Chalk Porosity Variations in Norway-Danish Central Graben: Integrated Mapping Using  
Broadband Elastic Attributes - **N. Pernin**<sup>1\*</sup>, T. Bird<sup>1</sup>, C. Reiser<sup>1</sup>  
<sup>1</sup>PGS

Elsa Cecconello - *Seismic Modelling III* session — Th 14 June  
14:20 Th E 11 - Removal of Time-varying Sea Surface Effects from Seismic Data - **E. Cecconello**<sup>1\*</sup>,  
E.G. Asgedom<sup>2</sup>, W. Söllner<sup>2</sup>  
<sup>1</sup>PGS/UiO, <sup>2</sup>PGS

MS, 2018-06-07