

Monica AQUINO, Guy MARQUIS, Jérôme VERGNE - *FWI Methods and Elastic Approach session* — Tuesday, October 19, 2021

Joint Inversion of Magnetotelluric and Ambient Seismic Noise Data using Correspondence Maps  
**Aquino M\***, **Marquis G**, **Vergne J** (University of Strasbourg, CNRS, ENGEES, ITES UMR 7063)

Bruno CONCHE - *HSE & Sustainability - Sustainable Development ePoster session* — Tuesday, October 19, 2021

Fast Machine Learning-Based Oil Slick Detection on Satellite Imaging  
Akhiyarov D, Gherbi A, **Conche B** (Total EP), Araya-Polo M

Patrick BAUD - *Petrophysics - Coring, Core Descriptions & Interpretation ePoster session* — Thursday, October 21, 2021

Permeability of Porous Limestones Under a Wide Range of in situ Conditions  
**Baud P\*** (University of Strasbourg), Meng F, Wong T

Ruben SANCHEZ - *Time-Lapse Interpretation and Value session* — Tuesday, October 19, 2021

4D Sensitivity to Dynamic Reservoir Properties on a Carbonate Field: an Insight into 4D Monitoring Strategy  
Berthereau G, Benamara A, **Sanchez R** (North Oil Company, Doha Doha, Qatar, Total EP Golfe, Doha Doha, Qatar)

Michael HENRIQUEL - *Time-Lapse Interpretation and Value session* — Tuesday, October 19, 2021

Is there value in 4D Elastic Inversion?  
Blanchard T, **Henriquel M** (Total SA), Granel J, Cherrett A, Adeyemi A

Frederik PIVOT - *Digitalization & AI: Seismic Interpretation I session* — Tuesday, October 19, 2021

Deep learning seismic facies identification: the Total journey at SEAM AI hackathon  
Boillot L, Golmohammadi A, Guillon S, **Pivot F** (Total)

Mehdi BOUAYAD, Frederik PIVOT - *Integrated Reservoir Characterization I session* — Wednesday, October 20, 2021

Geological Modeling Based on a Morphing Algorithm  
**Bouayad M\*** (Total), **Pivot F** (Total), Lopez M

Mathieu DARNET, Stéphane MARC, Alexandre STOPIN - *Geothermal Energy - Regional Case Studies session* — Tuesday, October 19, 2021

Characterization deep geothermal resources from the Paris Basin (France) with quantitative interpretation of legacy seismic data  
Capar L, **Darnet M\*** (BRGM), Issautier B, **Marc S** (BRGM), **Stopin A** (BRGM), Aziez Y, Le Camu T, Reboul R, Formento J, Coulon J

Philippe CAPRIOLI - *Multiple Attenuation - Demultiple Developments and Case Studies session* — Tuesday, October 19, 2021

Data-driven prediction of downgoing free-surface multiples for ocean-bottom node data  
**Caprioli P\*** (Schlumberger), Kristiansen P

Gregor DUVAL - *Play & Prospect Evaluation session* — Wednesday, October 20, 2021

Pre-Salt Prospectivity in Brazil and Gabon: Discriminating between Lakes and Lake-Like Water Bodies  
Crossley R, Harrison R, **Duval G** (CGG UK), Ashley A

Fabien CUBIZOLLE - *Dynamic Reservoir Characterization and Modelling session* — Thursday, October 21, 2021

From Seismic Interpretation to Property Filled Gridding using the Relative Geological Model  
**Cubizolle F\*** (ELIIS), Daynac N, Lacaze S

Mathieu DARNET, Vincent MAURER, Jean-François GIRARD, Guy MARQUIS, Pierre WAWRZYNIAK - *CESM and EM Methods - Multidisciplinary Approach session* — Tuesday, October 19, 2021

Characterizing deep hydrothermal fluid circulation in the Upper Rhine Graben (France) with electromagnetic methods

**Darnet M\*** (BRGM), **Maurer V** (ES-Géothermie), **Girard J** (EOST), **Marquis G** (EOST), Genter A, Bretaudeau F, **Wawrzyniak P** (BRGM)

Nawal de FRESLON, Nicolas DESGOUTTES - *Seismic Interpretation - Feasibility Studies ePoster session* — Thursday, October 21, 2021

Use of classification technique to characterize porous carbonate reservoir in Machukhy field, onshore Ukraine  
Yareshchenko S, **de Freslon N\*** (Beicip-franlab), Cuilhé L, Rudling C, Lucet N, **Desgouttes N** (Beicip-franlab), Machault V, Solodkyi Y, Gafych I

Frédéric DUBOIS, Pierre WAWRZYNIAK, Mathieu DARNET - *CESM and EM Methods - Case Studies and New Developments Geophysics I session* — Tuesday 19 October 2021 08:30-11:30

Double-difference strategy for 3D time-lapse CSEM: application to the Reykjanes geothermal field

**F. Dubois\*** (Brgm), Bretaudeau F, Bissavetsy-Kassa S, Coppo N, **Wawrzyniak P** (Brgm), **Darnet M** (Brgm)

Maud CAVALCA - *Seismic Processing - Attenuation session* — Wednesday, October 20, 2021

Depth Domain Q Estimation and Application - Gulf of Mexico Case Study

Elsabaa A, Stathpoulos D, Omana J, Figueira F, Roth J, **Cavalca M** (WesternGeco)

Jérémie GIRAUD - *Potential Field Methods - Exploration and New Developments session* — Thursday, October 21, 2021

Utilisation of stochastic MT inversion results to constrain gravity inversion

**Giraud J\*** (The University Of Western Australia), Seillé H, Visser G, Ogarko V, Lindsay M, Jessell M

Antoine GUITTON, Pierre-Henri ROCHE, Fabrice TATY MOUKATI - *Seismic Acquisition & Processing - Acquisition Geometries and Hardware II session* — Thursday, October 21, 2021

3D compressive sensing reconstruction of shot gathers under realistic acquisition constraints

**Guitton A\*** (Total), **Roche P** (Opera), Mi Hyun Kim I, **Taty Moukati F** (EOST), Adler F, Browaeys J

Lilas VIVIN, Thomas REBERT - *WS14: Internal Multiple Removal - Status, Challenges, and Road Ahead* — Friday, October 22, 2021

Internal Multiple Attenuation: Using the Low Frequencies to Protect the Primaries

Hugonnet P, Haouam F, **Vivin L** (CGG), **Rebert T** (CGG), Pica A, Leroy S, El Emam A

Paul CUPILLARD - *Seismic Interpretation - Theoretical Advances I ePoster session* — Tuesday, October 19, 2021

Investigating the Effective Properties of Multiscale Fractured Media Using Non-Periodic Homogenization

Ibourichene A, **Cupillard P** (RING Team), Barthélémy J

Camille JESTIN, Nicolas CUENOT - *Key Innovations and Potential Game Changers (Dedicated Session)* — Tuesday, October 19, 2021

Geothermal plant monitoring using innovative Distributed Fibre Optic Sensing technologies

**Jestin C\*** (Febus Optics), Clément P, Richard S, Lanticq V, **Cuenot N** (ES-Geothermie)

Camille JESTIN, Clément HIBER - *Geophysical Characterization for Mineral Exploration and Mining ePoster session* — Tuesday, October 19, 2021

Machine Learning integrated to pipeline monitoring with Distributed Acoustic Sensing

**Jestin C\*** (Febus Optics), Huynh C, **Hibert C** (ITES)

Virginie SCHOEPF - *Data Driven Methodologies I (SPE) session* — Tuesday, October 19, 2021

Deep Learning Assisted Doppler Sensing for Hydrocarbon Downhole Flow Velocity Estimation

Katterbauer K, Marsala A, **Schoepf V** (Openfield Technology), Abbassi L

François RENARD - *Rock Physics I session* — Thursday, October 21, 2021

Seismic petrophysics workflow in data-poor environment: a case study for Petrel field (offshore Australia)

Koryakova K, Vernik L, Byerley G, **Renard F** (Neptune Energy), Gerick E

- Mathieu REINIER - *FWI Methods and Elastic Approach session* — Tuesday, October 19, 2021  
 Optimal transport FWI with graph transform: Analysis and proposal of a partial shift strategy  
 Kpadonou F, Messud J, Sedova A, **Reinier M** (CGG)
- Anne-Sophie BARNOLA, Jeffrey BRUNELLIERE - *Seismic Interpretation - Enhanced Methods session* — Wednesday, October 20, 2021  
 Joint PP-PS Inversion with registration optimisation to improve geological knowledge of a deep-water field West Africa  
 Lopez D, **Barnola A** (Total), Roy P, Roure B, **Brunellière J** (Total)
- Gregor DUVAL - *WS09: High Resolution Full Waveform Inversion: Is it Only Cosmetics, or Is There Any Value for Imaging and Interpretation?* — Monday, October 18, 2021  
 What Can the High-resolution Velocities from Full-Waveform Inversion Offer for Seismic Interpretation?  
 Mann-Kalil J, **Duval G** (CGG), Ratcliffe A
- Jean-Luc MARI, Kevin GESTIN - *Wireline and LWD Logging- Analysis and Interpretation session* — Tuesday, October 19, 2021  
 Drilling Torque-Acoustic Logging: an effective duo for calibrating near-surface seismic data  
**Mari J\*** (Sorbonne Université), **Gestin K** (SpotLight), Gaudiani P
- Sylvain MASCLET, Hervé PRIGENT - *FWI Case Histories: Land session* — Thursday, October 21, 2021  
 Multi-Wave and Full-Waveform Inversion in Southern Oman  
**Masclat S\*** (CGG), Bouquard G, **Prigent H** (CGG)
- Maud CAVALCA - *Imaging Case Histories I session* — Wednesday, October 20, 2021  
 Match-Filter Q Tomography - A Case Study from the Black Sea  
 Matta M, Anstey I, **Cavalca M** (Schlumberger), Kanrar A, Steiger-Jarvis M
- Nawal de FRESLON, Edouard JACQUEMIN GUILLAUME, Thomas PIOLLE - *Naturally Fractured Reservoir session* — Tuesday, October 19, 2021  
 Characterization and Modeling of the Vug and Fracture Network Affecting a Carbonate Reservoir (KMZ - Mexico)  
 Micarelli L, **De Freslon N** (Beicip-Franlab), Denogean Gonzales E, Ducarme L, **Jacquemin-Guillaume E** (Beicip-Franlab), Moccia A, **Piollé T** (Beicip-Franlab), Reyes J, Ríos Lopez J, Weber M
- Carine ROALKVAM, Nolwenn HALBERT - *Simultaneous Sources session* — Tuesday, October 19, 2021  
 High resolution meets high efficiency with an ultra-wide-tow penta source solution in the Barents Sea  
 Oukili J, Widmaier M, **Roalkvam C** (PGS), Strand C, **Halbert N** (PGS), Baramony O
- Frédéric PIVOT, Mehdi BOUAYAD - *Seismic Interpretation - Feasibility Studies Geophysics I session* — Tuesday 19 October 2021, 02:15-05:15  
 Robust Estimation of Uncertainties of AVO Attribute Anomalies  
**Pivot F\***, (Total), **Bouayad M** (Total)
- Mathieu REINIER, Matthieu POUGET, Guillaume GIGOU - *Velocity Model Building: Tomography session* — Wednesday, October 20, 2021  
 Resolving small scale lateral velocity anomalies without FWI or stochastic approaches  
**Reinier M\*** (CGG), Allemand T, Salaun N, Yu Z, **Pouget M** (CGG), Henry-Baudot A, Chaintreuil B, Mihoub M, **Gigou G** (CGG), Espin I
- Pierre-Henri ROCHE, Antoine GUITTON - *Seismic Acquisition & Processing - Acquisition Geometries and Hardware ePoster session* — Thursday 21 October 08:30-11:30  
 Compressive sensing design of receiver carpets under field constraints  
**Roche P H\*** (Opera), **Guitton A** (Total), Estival R, Browaeys J, Adler F
- Mathieu REINIER, Guillaume GIGOU - *FWI Case Histories session* — Wednesday, October 20, 2021  
 FWI velocity and imaging: A case study in the Johan Castberg area  
 Salaun N, **Reinier M** (CGG), Espin I, Gigou G (CGG)

Matthieu POUGET - *Seismic Acquisition & Processing -Time Lapse Data session* — Wednesday, October 20, 2021

A deterministic 4D processing flow to suppress acquisition-related noise at Dalia and Rosa fields  
Salaun N, **Pouget M** (CGG), Yu Z, Beigbeder C, Rivet A, Dega S, Peiro M, Lafram A, Grandi A, Jungo E

Sandrine VIDAL-GILBERT - *Geomechanics & Pore Pressure I session* — Tuesday, October 19, 2021

Calibration of a 3D Reservoir Geomechanics Model with GPS, Bathymetry and 4D seismic  
Shotton P, **Vidal-Gilbert S** (TOTAL), Piovesanel E, Onaisi A

Philippe HERRMANN - *Low Frequency Seismic Data Acquisition and its Impact on Imaging and Inversion 1 - Hardware (Dedicated Session)* — Tuesday, October 19, 2021

Seismic Equipment for Effective Low-Frequency Land Acquisition  
Tellier N, Ollivrin G, **Herrmann P** (Sercel)

MEMS-Based OBN: A Powerful 3C Solution for High Data Quality and Fidelity

Tellier N, Valla S, Gouriou M, **Herrmann P** (Sercel)

Zoé TERNISIEN - *Time-Lapse Interpretation and Value session* — Tuesday, October 19, 2021

4D Seismic Geobody Propagation for Injected Volumes Estimation

**Ternisien Z\*** (Total), Blanchard T, Thore P

Malgven ROUDOT - *Petroleum Systems of NW Europe 1 (Dedicated Session)* — Wednesday, October 20, 2021

Unlocking the Cretaceous Petroleum Systems of the Norwegian Sea

Wenke A, Boonen Ferreira G, Bullimore S, Clark S, Dörner M, Embry P, Erdmann M, Hansen J, Inthorn M, Johansen L, Kløvjan O, Kyrkjebø R, Mann U, Orlovs A, Rein E, Rafaelsen B, Ryseth A, **Roudot M** (Equinor), Schmidt B, Stavrou E, Thießen O, Vandr  C, van Koverden J, Zweigel J

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