

- Marion Barbaray - *Imaging Case Studies A & Full Waveform Inversion* poster session — Tu June, 4, ePosters 01
08:30 Innovative Inversion Schemes for Model Building and Reflectivity Estimation: A Deep Water West African Case Study
T. Martin*, **M. Barbaray** (PGS), G. Venfield and V. Chavda
DOI: 10.3997/2214-4609.201900633
- Marc Beller - *Integrated Subsurface Studies - Carbonates* session — Tu June, 4, Room 14
09:45 Diffraction Imaging: Resolving Subtle Seismic Geo-features in the Rembrandt and Vermeer Chalk Oil Fields, Dutch Offshore
M. Beller* (Wintershall), N. Chaouch, V. Petri, P. Veeken, E. Landa, E. Kokoshin, K. Smirnov and C. Paleari
DOI: 10.3997/2214-4609.201900935
- Sylvain Masclat, Hervé Prigent - *Near Surface Technologies I* session — Tu June, 4, Room 16
10:30 Near Surface Characterization in Southern Oman: Multi-Wave Inversion Guided by Machine Learning
S. Masclat* (CGG), T. Bardainne, V. Massart and **H. Prigent** (CGG)
DOI: 10.3997/2214-4609.201900968
- Samir Halfaoui - *Geomodelling from Facies to Fractures A* Poster session — Tu June, 4, ePosters 06
11:20 Integrating Seismic Inversion in Static Uncertainties
F. Piriac*, P. Biver and **S. Halfaoui** (Total)
DOI: 10.3997/2214-4609.201900712
- Laurent Lopes - *Full Waveform Inversion I* session — Tu June, 4, Room 08
11:20 High resolution Full Waveform Inversion: Two Pitfalls and a Remedy
T. Allemand*, **L. Lopes** (CGG), G. Lambaré and O. Leblanc
DOI: 10.3997/2214-4609.201900874
- Simon Wolfarth - *Multi-Component Seismic I* session — Tu June, 4, Room 09
11:20 High Resolution Multi-Modal Surface Wave Inversion for Shallow S-Wave Velocity Model Building
X. Li*, Y. Chen, X. Miao, L. Li, F.C. Loh, B. Hung, **S. Wolfarth** (BP) and D. Priyambodo
DOI: 10.3997/2214-4609.201900890
- Chloé Lazizi, Alba Ordonez - *Seismic Modelling B* Poster session — Tu June, 4, ePosters 02
13:55 A Full Wavefield Approach to Survey Planning
C. Lazizi* (PGS), S. Jetschny, M. Pedersen and **A. Ordoñez** (PGS)
DOI: 10.3997/2214-4609.201900658
- Philippe Caprioli - *Noise Attenuation II* session — Tu June, 4, Room 06
14:20 Joint Adaptive Deghosting and Designature
P. Caprioli* (WesternGeco), J. Roth, J. Rickett and M. Vassallo
DOI: 10.3997/2214-4609.201900850
- Gregor Duval - *Exploration - Play and Prospect Evaluation A & Case Studies A* Poster session — Tu June, 4, ePosters 07
16:45 Geological Implications of High Resolution Gravity and Magnetics in the Zambezi Delta
M. Parsons*, J. Martin and **G. Duval** (CGG)
DOI: 10.3997/2214-4609.201900731
- Géraldine Vey - *Near Surface Understanding I* session — Tu June, 4, Room 16
16:45 Can Shallow Hazard 3D Seismic Cubes Enable Leaner Exploration Workflows?
P. Smith*, R. Milne, **G. Vey** (AkerBP), G. Apeland and S. Way
DOI: 10.3997/2214-4609.201900979

- Pascal Edme - *Seismic Acquisition - Geometries and Hardware I* session — Wed June, 5, Room 01
08:30 A 5C Land Seismic Gradient Sensor
E. Muijzert*, N. Allouche, **P. Edme** (Schlumberger), N. Goujon and A. Poole
DOI: 10.3997/2214-4609.201901130
- Amine Ourabah - *Imaging Case Studies I* session — Wed June, 5, Room 04
08:55 Processing and Analysis Results of the First 3D Nimble Node Survey; West Siberia, Russia
D. Tverdokhlebov, I. Arutyuniants, E. Danko, A. Gayduk, D. Ablyazina, R. Melnikov, O. Adamovich, J. Naranjo* and **A. Ourabah** (BP)
DOI: 10.3997/2214-4609.201901179
- Aline Robin - *FWI Case Studies A Poster* session — Wed June, 5, ePosters 01
08:55 Pressure Versus Vertical Velocity Full-Waveform Inversion of Wide-Angle, Ocean-Bottom Node Data from the North Sea
A. Robin* (IPGP), S.C. Singh, M. Noble and P.R. Williamson
DOI: 10.3997/2214-4609.201900992
- Simon Wolfarth - *Full Waveform Inversion III* session — Wed June, 5, Room 08
08:55 Enhance Dynamic-Warping for FWI to Mitigate Cycle-Skipping
T. Wang*, Y. Xie, M. Wang, Y. Guo, S. Wu, X. Ding, **S. Wolfarth** (BP), Y. Supriatna and P. Santoso
DOI: 10.3997/2214-4609.201901223
- Philippe Caprioli - *Signal Processing I* session — Wed June, 5, Room 06
11:20 Broadband Processing a Shallow-Water P-Component-Only OBS Survey with Variable Source and Receiver Depths
A. Dawson*, **P. Caprioli** (WesternGeco), D. Rose and N. Hall
DOI: 10.3997/2214-4609.201901200
- Amine Ourabah - *Seismic Acquisition - Geometries and Hardware I* session — Wed June, 5, Room 01
11:20 A Comparative Field Trial of a New Nimble Node and Cabled Systems in a Desert Environment
A. Ourabah* (BP), A. Crosby, C. Brooks, E. Manning, K. Lythgoe, D. Ablyazina, V. Zhuzhel, E. Holst and T. Knutsen
DOI: 10.3997/2214-4609.201901136
- Simon Wolfarth - *Imaging Case Studies I* session — Wed June, 5, Room 04
11:20 Targeted High-End Processing to Deliver a Rapid P-Image from the Tangguh ISS® OBN survey
S. Wolfarth* (BP), D. Priyambodo, P. Deng, X. Li, S. Cao, F. Loh and B. Hung
DOI: 10.3997/2214-4609.201901184
- Amine Ourabah - *Seismic Acquisition - Geometries and Hardware I* session — Wed June, 5, Room 01
11:45 Could You Use One Million Nimble Node Channels ?
T. Manning*, J. Stone, **A. Ourabah** (BP), D. Ablyazina and J. Quigley
DOI: 10.3997/2214-4609.201901137
- Camille Jestin - *Borehole Seismic Methods I* session — Wed June, 5, Room 09
13:30 Experimental Measurement of the Effects of Acquisition Parameters on DAS Data Quality
T. Dean, K. Tertyshnikov*, R. Pevzner, G. Calbris, **C. Jestin** (Febus Optics) and V. Lanticq
DOI: 10.3997/2214-4609.201901245
- Mike Heap, Thierry Reuschlé, Alexandra Kushnir, Patrick Baud - *Geothermal - Technical Advances and Cross Disciplinary Cooperation (IGA)* session — Wed June, 5, Room 10
15:30 Does Brine Influence the Short-Term Strength of Sandstone? Implications for Geothermal in the Upper Rhine Graben
M. Heap*, **T. Reuschlé**, **A. Kushnir** and **P. Baud** (IPGS)
DOI: 10.3997/2214-4609.201901265

Pierre Turquais - *AI-Driven Interpolation* session — Wed June, 5, Room 04

15:30 Parabolic Dictionary Learning: A Method for Seismic Data Reconstruction Beyond the Linearity Assumption

P. Turquais* (PGS), W. Söllner and M. Pedersen

DOI: 10.3997/2214-4609.201901190

Guillaume Sauvin - *Electromagnetic Methods I* session — Wed June, 5, Room 02

16:20 Marine CSEM for CO2 Storage Monitoring - North Sea Sensitivity Study

J. Park*, A.K. Bjørke, **G. Sauvin** (NGI), J.P. Morten and B. Nazarian

DOI: 10.3997/2214-4609.201901160

Elsa Cecconello - *Multiple Attenuation and Imaging* session — Thu June, 6, Room 04

08:55 Source Deghosting and Demultiple for Calm and Rough Weather Conditions

E. Cecconello* (PGS), E. Asgedom and W. Söllner

DOI: 10.3997/2214-4609.201901515

Didier Rappin, Fatou Doukoure-Tchissassa - *Time-Lapse Processing* session — Thu June, 6, Room 09

09:20 Time-Lapse Noise Modeling for Enhanced 4D Interpretation

D. Rappin* (Total), **F. Doukoure-Tchissassa** (Total), C. Hubans and N. Shchukina

DOI: 10.3997/2214-4609.201901580

Mohammed Boussafir - *Source Rocks, Seals and Reservoirs - A Whole Story and Continuous Lithological and Petrographical Components* session — Thu June, 6, Room 10

11:20 Organic Matter Influence on Porosity of Kimmeridge-Clay Source-Rocks: Insights from Organic Petrography and Laboratory Thermal Maturation

A. Cavelan*, **M. Boussafir** (ISTO), C. Le Milbeau, O. Rozenbaum and F. Laggoun-Défarage

DOI: 10.3997/2214-4609.201901598

Hervé Prigent, Sylvain Masclét - *FWI Case Studies II* session — Thu June, 6, Room 08

11:20 Acoustic Land Full Waveform Inversion on a Broadband Land Dataset: the Impact of Optimal Transport

A. Sedova*, J. Messud, **H. Prigent** (CGG), **S. Masclét** (CGG), G. Royle and G. Lambaré

DOI: 10.3997/2214-4609.201901568

Didier Lecerf - *Time-Lapse Acquisition and Processing* session — Thu June, 6, Room 09

13:55 A New 4D Approach to Compensate Illumination Differences of Time-Lapse Acquisitions

D. Lecerf* (PGS)

DOI: 10.3997/2214-4609.201901587

Mehdi Bouayad, Frédéric Pivot - *Geomodelling from Facies to Fractures I* session — Thu June, 6, Room 17

14:20 Geomodelling 3D Turbiditic Facies from Broadband Seismic

M. Bouayad* (Total), **F. Pivot** (Total) and M. Lopez

DOI: 10.3997/2214-4609.201901675

Maud Cavalca - *Time-Lapse Acquisition and Processing* session — Thu June, 6, Room 09

14:20 Revealing the Time-Lapse Signal from Non-Repeatable Vintages with 4D Depth-Domain Inversion

M. Shadrina*, C. Leone, **M. Cavalca** (Schlumberger), R. Fletcher and M. Gherasim

DOI: 10.3997/2214-4609.201901588

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