

Pascal Edme — *ACQ 3 – Deblending and Sensors* session

Gradient recording in practice: A comparative field trial of a 5C land seismic gradient sensor
Anastasia Poole and John Quigley, WesternGeco; Everhard Muyzert, Nihed Allouche, **Pascal Edme** and
Nicolas Goujon, Schlumberger Cambridge Research
<https://doi.org/10.1190/segam2019-3215616.1>

Mikael Garden — *ACQ P2 – Land Seismic 3* poster session

Acquisition of a modern seismic survey in the Vienna Basin
Mikael Garden* and Lars Zühlsdorff
<https://doi.org/10.1190/segam2019-3215016.1>

Jeannot Trampert — *ANI 3 – Applications 3* session

Describing stress-dependent elasticity and wave propagation: New insights and connections between
approaches
Yanadet Sripanich, Formerly Utrecht University, presently PTT Exploration and Production Company Limited;
Ivan Vasconcelos, Utrecht University; Jeroen Tromp, Princeton University; and **Jeannot Trampert**, Utrecht
University
<https://doi.org/10.1190/segam2019-3214248.1>

Fabien Gilbert — *EMRS 3 – Theory, Application and Case Studies* session

Foothills structural model de-risking with 3D magnetotellurics
Federico Miorelli and Randall L. Mackie, CGG; **Fabien Gilbert**, TOTAL; and Wolfgang Soyer, CGG
<https://doi.org/10.1190/segam2019-3198037.1>

Alexandre Stopin — *FWI 2 – Salt Model Updating* session

Elastic full waveform inversion for salt model building in Gulf of Mexico
Guoping Chang, Shell International Exploration & Production Inc.; Henning Kuehl, Shell Global Solutions
Canada Inc.; Rene-Edouard Plessix and **Alexandre Stopin**, Shell Global Solutions International
<https://doi.org/10.1190/segam2019-3200241.1>

Marion Barbaray — *FWI 4 – Case Studies* session

Compensating for visco-acoustic effects with an integrated model building flow: A deep water Equatorial
Conjugate Margin case study
T. Martin, **M. Barbaray**, G. Venfield and V. Chavda, PGS
<https://doi.org/10.1190/segam2019-3212188.1>

Isabelle Lecomte — *INT P3 – Offshore Techniques* poster session

Novel seismic forward modelling of the seal bypass structure: An example from the Loyal Field of the North
Sea (Scotland, UK)
Zhihua Cui, David Iacopini, and **Isabelle Lecomte**
<https://doi.org/10.1190/segam2019-3199625.1>

Jean-Marc Miehé — *MG 1 – New Methods and Developments* session

3D finite-volume time-domain modeling of geophysical electromagnetic data on unstructured grids using
potentials
Xushan Lu and Colin G. Farquharson, Department of Earth Sciences, Memorial University of Newfoundland;
and **Jean-Marc Miehé** and Grant Harrison, Orano Canada Inc.
<https://doi.org/10.1190/segam2019-3215847.1>

- Aurélien Mordret, Pierre Boué, Florent Brenguier — *PS 1 – Case Studies: Reservoirs, Overburden* session
 Ambient noise multimode Rayleigh and Love wave tomography to determine the shear velocity structure above the Groningen gas field
 M. Chmiel, Sisprobe; **A. Mordret**, MIT; A. Boué, Sisprobe; **P. Boué** and **F. Brenguier**, ISTerre, Univ. Grenoble Alpes; T. Lecocq, Royal Observatory of Belgium; R. Courbis and D. Hollis, Sisprobe; X. Campman, Shell International Exploration and Production; R. Romijn and W. VanderVeen, Nederlandse Aardolie Maatschappij; N. Arndt, S. Beauprêtre, and R. Lynch, Sisprobe; and C. Gradon, ISTerre, Univ. Grenoble Alpes.
<https://doi.org/10.1190/segam2019-3216087.1>
- Florent Brenguier, Aurélien Mordret, Pierre Boué — *PS 1 – Case Studies: Reservoirs, Overburden* session
 Monitoring of fields using body and surface waves reconstructed from passive seismic ambient noise
Florent Brenguier, University of Grenoble Alpes; **Aurélien Mordret**, Massachusetts Institute of Technology; Richard Lynch and Roméo Courbis, Sisprobe; Xander Campbell, Shell International Exploration and Production; **Pierre Boué**, University of Grenoble Alpes; Małgorzata Chmiel, Sisprobe; Shujuan Mao, Massachusetts Institute of Technology; Tomoya Takano, Tohoku University; Thomas Lecocq, Royal Observatory of Belgium; Wim van der Veen, Nederlandse Aardolie Maatschappij; Sophie Postif, Shell International Exploration and Production; Dan Hollis, Sisprobe.
<https://doi.org/10.1190/segam2019-3216217.1>
- Matthieu Vinchon — *PS 1 – Case Studies: Reservoirs, Overburden* session
 Microseismic interpretation with stress inversion
 Jing Du, Total E&P Research and Technology, LLC; Bing Q. Li, **Matthieu Vinchon**, Total S.A.; and Sebastian Estrada, Total Austral
<https://doi.org/10.1190/segam2019-3216731.1>
- ?? Yoann Guilloux — *RC 4 – Clastics and Carbonates* session
 Integration of seismic inversion results in the development and production of carbonate fields: Lessons learned, best practices
 Yahui Yin, Hendro Prasetyo, Luis Pernia Soto, Laurent Schulbaum, **Yoann Guilloux**, Frédéric Merlet, Thierry Cadoret, and Yannick Schildberg, TOTAL
<https://doi.org/10.1190/segam2019-3215102.1>
- Pierre-Yves Raya — *SPMNR 4 – Advances in Processing Methods and Applications* session
 A study on the benefits of migration of primaries and multiples
 Umed Kakhkhorov, University of Stavanger Department of Energy Resources; Wiktor Waldemar Weibull, University of Stavanger; and **Pierre-Yves Raya**, Wintershall Norge AS
<https://doi.org/10.1190/segam2019-3216206.1>
- Michel Verliac — *SS 4 DAS, Borehole and Microseismic Geophysics for Unconventionals* session
 Session Chairs: Martin Karrenbach and **Michel Verliac**
- Michel Verliac — *SS 5 CO2 Monitoring* session
 Session Chairs: Boris Gurevich and **Michel Verliac**
- Didier Lecerf, François Portaluri — *TL 1 – Acquisition and Processing* session
 How to combine single hydrophone streamers with multi- component streamers in a 4D context: An offshore West Africa case study
Didier Lecerf*, Andrew Oates, Rebekah Brown, Elena Polyaeva, **Francois Portaluri**, Cyrille Reiser, David Raistrick, Adam Betteridge, and Jyoti Kumar, PGS; and Bruce Webb, Massimiliano Bertarini, Catia Rizzetto, Nazzarena Colombi, Vincenzo Milluzzo, Marco Marchesini, Andrea Cimitan, and Ilario Franco, Eni E&P
<https://doi.org/10.1190/segam2019-3214837.1>
- Didier Lecerf — *TL 2 – Case Studies* session
 From feasibility to reservoir characterization: A fully integrated 4D seismic approach for reservoir management — A case study in the western African offshore
 Bruce Webb, Catia Rizzetto, Marco Marchesini, Nazzarena Colombi, Jacopo Panizzardi, Vincenzo Milluzzo, Andrea Cimitan, Ilario Franco, and Andrea Ottaviani, Eni; and Cyrille Reiser and **Didier Lecerf**, PGS
<https://doi.org/10.1190/segam2019-3209907.1>

Philippe Caprioli — *TL 2 – Case Studies session*

Fast-turnaround OBS time-lapse processing enabled by up/down deconvolution: A North Sea case study
Richard Ford, Francesca Twynam, **Philippe Caprioli**, Michael Hooke, Richard Whitebread, Paal Kristiansen,
and Daniele Boiero, WesternGeco; and Per-Eivind Dhelie, Vidar Danielsen, and Knut Richard Straith, Lundin
Norway
<https://doi.org/10.1190/segam2019-3216415.1>

Michel Verliac — *W-1: DAS Part 1: Recent Advances in Subsurface Characterization using Distributed Acoustic Sensing and the Road Ahead workshop*

Organizers: Ge Zhan, Yingping Li, Bjorn Olofsson, Ge Jin, Michael Craven, Arthur Cheng, Elita Li, **Michel Verliac**,
Xin Wang

Simon Wolfarth — *W6 – Joint Imaging/Inversion of S-waves with P-waves: Advances in Characterizing Overburden, Elastic Models and Petrophysical Properties Related to Conventional and Unconventional Reservoir workshop*

From data density to density of rocks workshop

P. Jilek, J. Etgen, M. Ball, P. Tillotson, L. Smith, D. M. D. Davies, **S. Wolfarth**, BP; and I. Pawelec, Colorado school
of Mines

<https://doi.org/10.1190/segam2019-w6-02.1>

Michel Verliac — *W-11: Long Term Monitoring of CO2 Geosequestration: Continuous Surveillance and Quantitative Interpretation workshop*

Organizers: Guillaume Bergery, Don Lawton, Roman Pevzner, Stanislav Glubokovskikh, Martin Schoenball,
Michel Verliac

Michel Verliac — *W-14: DAS Part 2: What is next for DAS? Operator needs versus technology suppliers vision... workshop*

Organizers: **Michel Verliac**, Ge Zhan, Mahmoud Farhadiroushan, Albena Mateeva, Michael John Williams

Aurélien Mordret, Pierre Boué, Florent Brenguier — *W21 – Ambient Noise Imaging and Monitoring for High-resolution Spatial and Temporal Near-surface Characterization and Exploration Seismology workshop*

Vs imaging from ambient noise Rayleigh wave tomography for oil exploration in Nevada, USA

A. Boué, R. Courbis, M. Chmiel, N. Arndt, T. Lecocq, **A. Mordret**, **P. Boué**, **F. Brenguier**, D. Hollis, S. Beauprêtre,
R. Lynch, and C. Gradon

Florent Brenguier, Aurélien Mordret, Pierre Boué — *W21 – Ambient Noise Imaging and Monitoring for High-resolution Spatial and Temporal Near-surface Characterization and Exploration Seismology workshop*

Monitoring of fields using body and surface waves reconstructed from passive seismic ambient noise

Florent Brenguier, **Aurélien Mordret**, Richard Lynch, Roméo Courbis, Xander Campbell, **Pierre Boué**,
Małgorzata Chmiel, Shujuan Mao, Tomoya Takano, Thomas Lecocq, Wim van der Veen, Sophie Postif, and
Dan Hollis

<https://doi.org/10.1190/segam2019-w21-02.1>

Florent Brenguier, Aurélien Mordret, Pierre Boué — *W21 – Ambient Noise Imaging and Monitoring for High-resolution Spatial and Temporal Near-surface Characterization and Exploration Seismology workshop*

Passive seismic ambient noise surface wave tomography applied to two exploration targets in Ontario,
Canada

Richard Lynch, Dan Hollis, John McBride, Nick Arndt, **Florent Brenguier**, **Aurélien Mordret**, **Pierre Boué**,
Sophie Beauprêtre, Frank Santaguida, and Dan Chisolm

<https://doi.org/10.1190/segam2019-w21-03.1>

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