

SEG 2020

Technical Talk Program

12 October



Tilman Klüver | eSeismic Offshore Malaysia

13:50 - 14:15 CST (GMT-5)

Continuous wavefields method – Insights from a shallow water field trial.

Authors: Tilman Klüver, Stian Hegna, and Jostein Lima, PGS.



Cyrille Reiser | QI-based Prospect Identification, Orphan Basin

14:15 - 14:40 CST (GMT-5)

From a regional AVA screening to focused elastic attributes estimation: an integrated solution from seismic acquisition to reservoir characterization.

Authors: Cyrille Reiser, Elena Polyakova, and Scott Opdyke (formerly of PGS).



Martin Widmaier | GeoStreamer X Viking Graben

15:30 to 15:55 CST (GMT-5)

Addressing imaging challenges in the Viking Graben with multi-azimuth acquisition, longer offsets, and wide-tow sources.

Authors: Martin Widmaier, David O'Dowd (formerly of PGS), Carine Roalkvam, Marielle Ciotoli, and Luca Limonta.



Silke Bude | Environmental Responsibility

16:20 -16:45 CST (GMT-5)

Assessing the environmental impact of seismic surveys in two very different scenarios: South Africa and Brazil.



Didier Lecerf | 4D GeoStreamer for Deep Water Reservoir Monitoring

15:05 - 15:30 CST (GMT-5)

First 4D broadband using multicomponent streamers acquisitions for deep water reservoir monitoring: benefits and lessons learned.

13 October



Yang Yang | Deep Velocity Model Updates with Reflection FWI

14:40 - 15:05 CST (GMT-5)

FWI using reflections for deep velocity model updates.

Authors: Yang Yang, Jaime Ramos-Martinez, Dan Whitmore, Alejandro A. Valenciano (formerly of PGS), Guanghui Huang, and Nizar Chemingui, PGS.

14 October



Elena Klochikhina | High-Resolution Angle Gathers with LSM

10:35 - 11:00 CST (GMT-5)

Iterative least-squares migration for high-resolution angle gathers.

Authors: Lian Duan (formerly of PGS), Alejandro Valenciano (formerly of PGS), Nizar Chemingui, and Elena Klochikhina, PGS.

For all enquires please contact: info@pgs.com

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Poster Presentations

12 October



Chaoguang Zhou | Automated Velocity Model Building on a Large 3D Pre-stack Dataset

13:50 - 14:15 CST (GMT-5)

Automatic velocity model building with machine learning.

Authors: Chaoguang Zhou and Samuel Brown, PGS.



Tiago Alcantara | Deepwater LSM imaging, Orphan Basin

14:15 - 14:40 CST (GMT-5)

High-resolution velocity model building and least-squares imaging offshore Canada: a deepwater Orphan Basin example.

Authors: Tiago Alcantara, Eric Frugier, and Bruno Virlouvet (formerly of PGS).

13 October



Norman Dan Whitmore | Vector Reflectivity

09:45 - 10:10 CST (GMT -5)

Seismic modelling with vector reflectivity.

Authors: Norman Dan Whitmore, Jaime Ramos-Martinez, Yang Yang (PGS), and Alejandro A. Valenciano (formerly of PGS).



Morten W. Pedersen | Convolutional Neural Networks

14:15 - 14:40 CST (GMT-5)

Application of a convolutional neural network to classification of swell noise attenuation.

Authors: Bagher Farmani and Morten W. Pedersen, PGS.

Workshop Presentations

15 October



Yang Yang | Full Wavefield Imaging

08:40 - 09:05 CST (GMT-5)

Full wavefield imaging by least-squares inversion.

16 October



Nizar Chemingui | Least-Squares Migration in Complex Overburden

10:35 - 10:55 CST (GMT -5)

Least-squares migration for image deblurring and AVO recovery.

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