

# TECHNICAL SESSIONS & ABSTRACTS

Schedule for PGS Technical Presentations and Posters at SEG 2017, Houston

## MONDAY 25TH SEPTEMBER 2017

**2:40PM**  
RM 361F

Full-waveform inversion with an exponentially encoded optimal-transport norm  
Lingyun Qiu\* (PGS), Jaime Ramos-Martinez (PGS), Alejandro Valenciano (PGS), Yunan Yang (University of Texas-Austin) & Björn Engquist (University of Texas-Austin)

**4:45PM**  
RM 351F

High-performance computing for seismic imaging: From shoestrings to the cloud  
Sverre Brandsberg-Dahl\* (PGS)

## TUESDAY 26TH SEPTEMBER 2017

**9:20 AM**  
RM 362A

On the physics of towed streamer controlled source electromagnetics in shallow water in the presence of transverse anisotropy  
Alan Chave\* (Woods Hole Oceanographic Institution), Johan Mattsson (PGS) & Mark Everett (Texas A&M University)

**10:35 AM**  
RM 361A

Broadband least-squares wave-equation migration  
Shaoping Lu\* (PGS), Xiang Li (PGS), Alejandro Valenciano (PGS), Nizar Chemingui (PGS) & Cheng Cheng (University of California-Berkeley)

**11:00 AM**  
E-POSTATION 3,  
HALL C

Global 3D acoustic full-waveform inversion using sparse model parameterization  
Debanjan Datta\* (University of Texas-Austin), Mrinal Sen (University of Texas-Austin), Scott Morton (Hess Corporation) & Faqi Liu (PGS)

**3:05 PM**  
RM 362A

Large-scale 3D inversion of towed streamer electromagnetic data using the Gauss-Newton method  
Jenny-Ann Malmberg\* (PGS) & Johan Mattsson (PGS)

**3:05 PM**  
RM 360A

Structured dictionary learning for interpolation of aliased seismic data  
Pierre Turquais\* (PGS), Endrias Asgedom (PGS) & Walter Soellner (PGS)

**3:05 PM**  
RM 351F

Sea surface source-side static optimization for 4D seismic  
Simon Barnes\* (PGS), Paul Lecocq (PGS), Stephane Perrier (PGS) & Mick Igoe (Tullow Oil Limited)

## WEDNESDAY 27TH SEPTEMBER 2017

**8:30 AM**  
RM 361F

An effective multiparameter full-waveform inversion in acoustic anisotropic media  
Jaime Ramos-Martinez\* (PGS), Lingyun Qiu (PGS), Alejandro Valenciano (PGS) & Jia Shi (Rice University)

**9:20 AM**  
RM 362A

Application of the optimal synthetic aperture for rapid imaging of towed streamer EM data acquired in the Barents Sea  
Masashi Endo\* (TechnoImaging), Michael Zhdanov (TechnoImaging and University of Utah), Daeung Yoon (TechnoImaging and University of Utah) & Johan Mattsson (PGS)

**3:30 PM**  
RM 371F

Strategies for high-resolution towed-streamer acquisition and imaging of shallow targets  
Martin Widmaier\* (PGS), David O'Dowd (PGS) & Carine Delarue (PGS)

**3:55 PM**  
RM 360D

Application of a full 3D Designature solution to a wide azimuth survey  
Jack Kinkead\* (PGS) & Jonathan Burren (PGS)

**3:55 PM**  
RM 371F

Behold the multiples! From scourge of imaging to friend of acquisition  
Guillaume Cambois\* (PGS), Maz Farouki (PGS), Hui Le Gleut (PGS), Peter Lee (PGS), Suhail Butt (PGS) & Adam Betheridge (PGS)