

## Overview sessions

Tuesday 31 May 2016

Type	Tuesday 31 May 2016	Location	Time
Oral	Absolute and Relative Permeability – From Pore to Field Scale	Schubert 4	08:30 – 12:10
Oral	Automated Interpretation	Stolz 1	13:30 – 17:10
Oral	AVO–AVA – Theory I	Strauss 3	13:30 – 17:10
Oral	Broadband Data – Processing and Inversion	Strauss 3	08:30 – 12:10
Oral	Carbonate Petrophysics	Stolz 2	08:30 – 12:10
Oral	Dedicated – Integrated Data for Geological and Reservoir Models	Lehar 4	08:30 – 12:10
Oral	Depositional Systems	Lehar 4	13:30 – 17:10
Oral	Dynamic Modelling – Upscaling and Simulation	Schubert 3	13:30 – 17:10
Oral	EAGE Forum on ‘The Future of the Oil Industry in Light of the Recent Oil Prices’	Strauss 1	08:30 – 12:10
Oral	Electromagnetic Methods I	Lehar 1	08:30 – 12:10
Oral	Exploration and Fields	Lehar 3	10:30 – 12:10
Oral	Full Waveform Inversion I – Viscous Effects and Case Studies	Strauss 2	08:30 – 12:10
Oral	HPC for Geophysical Applications	Lehar 1	13:30 – 17:10
Oral	Imaging Parameter Estimation	Strauss 2	13:30 – 17:10
Oral	Integrated Asset Development (EAGE/SPE)	Schubert 1	08:30 – 12:10
Oral	Integrated Dynamic Modelling I (EAGE/SPE)	Schubert 2	08:30 – 12:10
Oral	Low Salinity Waterflooding and Rock Wettability (EAGE/SPE)	Schubert 2	13:30 – 17:10
Oral	Multi–component Seismic Imaging	Lehar 5	08:30 – 12:10
Oral	Multiple Attenuation	Stolz 1	08:30 – 12:10
Oral	Near Surface – Engineering Geophysics and Characterization	Schubert 4	13:30 – 17:10
Oral	Optimizing Marine Acquisition Design	Stolz 0	08:30 – 12:10
Oral	Permanent Reservoir Monitoring	Lehar 2	08:30 – 12:10
Oral	Petrophysics	Stolz 2	13:30 – 17:10
Oral	Reservoir Characterization I	Lehar 3	13:30 – 17:10
Oral	Reservoir Surveillance and Management (EAGE/SPE)	Schubert 1	13:30 – 17:10
Oral	Rock Physics I	Schubert 5	08:30 – 12:10
Oral	Seismic Attenuation I	Stolz 0	13:30 – 17:10
Oral	Seismic Imaging – Case Studies	Strauss 1	13:30 – 17:10
Oral	Seismic Interferometry – Theory and Applications	Lehar 5	13:30 – 17:10
Oral	Seismic Modelling I	Schubert 5	13:30 – 17:10
Oral	Timelapse Acquisition and Processing	Lehar 2	13:30 – 17:10
Oral	Unconventional Reservoirs I	Schubert 3	08:30 – 12:10
Oral	Velocity and Seismic Imaging – Parameter Estimation and Case Histories I	Lehar 3	08:30 – 10:10
Poster	AVO–AVA Theory (A)	e-Posters 6	08:30 – 12:10
Poster	Diagenesis in Clastic Reservoirs	e-Posters 5	13:30 – 17:10
Poster	Exploration Plays and Prospect Evaluation	e-Posters 5	08:30 – 10:10
Poster	Full Waveform Inversion (A)	e-Posters 1	13:30 – 17:10
Poster	Knowledge Sharing (A) (SPE)	e-Posters 6	13:30 – 15:10
Poster	Micro and Passive Seismic Event Detection and Analysis (A)	e-Posters 6	15:30 – 17:10
Poster	Near Surface – Water, Hazards, Mining	e-Posters 3	08:30 – 12:10
Poster	NMO and Velocity Estimation	e-Posters 7	13:30 – 17:10
Poster	Potential Field Methods Case Studies	e-Posters 1	08:30 – 12:10

Type	Tuesday 31 May 2016	Location	Time
Poster	Reservoir Characterization Using Seismic	e-Posters 2	08:30 – 12:10
Poster	Rock Physics (A)	e-Posters 3	13:30 – 17:10
Poster	Seismic Noise and Multiple Attenuation	e-Posters 4	13:30 – 17:10
Poster	Seismic Signal Processing – Temporal and Spatial Resolution (A)	e-Posters 7	08:30 – 12:10
Poster	Source Rocks and Petroleum Systems (A)	e-Posters 5	10:30 – 12:10
Poster	VSP and Borehole Geophysics	e-Posters 4	08:30 – 12:10
Poster	Well Performance Optimization and Flow Assurance	e-Posters 2	13:30 – 17:10
Student Poster	Improved Oil Recovery	Student e-Posters 2	08:30 – 12:10
Student Poster	Reservoir Geology, Petroleum Systems and Analogs	Student e-Posters 2	13:30 – 17:10
Student Poster	Sedimentology and Structural Geology	Student e-Posters 1	08:30 – 12:10
Student Poster	Seismology, Microseismic and Passive Seismic	Student e-Posters 1	13:30 – 17:10

### Wednesday 1 June 2016

Type	Wednesday 1 June 2016	Location	Time
Oral	Advanced Imaging Including Elastic, Anisotropic and Q Effects	Strauss 3	08:30 – 12:10
Oral	Broadband Processing of Single Component Data	Strauss 3	13:30 – 17:10
Oral	CO <sub>2</sub> Sequestration and EOR (SPE)	Schubert 2	08:30 – 12:10
Oral	Decision Risk Analysis and Managing Uncertainty (SPE)	Schubert 1	08:30 – 12:10
Oral	Dedicated – Towards Exascale Geophysical Applications	Lehar 4	13:30 – 17:10
Oral	Diffraction Modelling and Imaging	Lehar 5	08:30 – 12:10
Oral	Electromagnetic Methods II – Inversion	Lehar 1	13:30 – 17:10
Oral	Executive Session on 'The Black Sea – Regional Focus'	Straiss 1	08:30 – 11:30
Oral	Exploration – Plays, Prospects and Prospect Evaluation	Lehar 1	08:30 – 12:10
Oral	Fractured and Carbonate Reservoirs	Schubert 5	08:30 – 12:10
Oral	Full Waveform Inversion II – Inversion Strategies	Strauss 2	08:30 – 12:10
Oral	Innovative Technologies I	Schubert 4	13:30 – 17:10
Oral	Integrated Dynamic Modelling II (SPE)	Schubert 2	13:30 – 17:10
Oral	Microseismic Event Detection and Analysis	Stolz 2	13:30 – 17:10
Oral	Near Surface for Hydrocarbon Exploration, Induced Seismicity	Schubert 4	08:30 – 12:10
Oral	Optimizing Land Acquisition Design	Lehar 4	08:30 – 12:10
Oral	Quantifying and Managing Uncertainty in Reservoir Modelling	Schubert 3	13:30 – 17:10
Oral	Rift Systems and Passive Margins Tectonics and Sedimentation	Strauss 1	13:30 – 17:10
Oral	Rock Physics II	Stolz 0	08:30 – 12:10
Oral	Rock Physics III – Interpretation and Stress Dependency	Stolz 0	13:30 – 17:10
Oral	Seismic Anisotropy in Fractured Reservoirs I	Lehar 5	13:30 – 17:10
Oral	Seismic Imaging Theory – Advances in Least Squares Migration	Strauss 2	13:30 – 17:10
Oral	Seismic Interpolation and Regularization	Stolz 1	08:30 – 12:10
Oral	Seismic Modelling II	Schubert 5	13:30 – 17:10
Oral	Seismic Reservoir Characterization I – Seismic Inversion Advance	Lehar 3	08:30 – 12:10
Oral	Seismic Reservoir Characterization II – From Case Studies to New Advances	Lehar 3	13:30 – 17:10
Oral	Seismic Signal Processing – Temporal and Spatial Resolution I	Stolz 1	13:30 – 17:10
Oral	Simultaneous Sources	Lehar 2	08:30 – 12:10
Oral	Source Rocks and Petroleum Systems I	Stolz 2	08:30 – 12:10
Oral	Time-lapse Seismic Interpretation I	Lehar 2	13:30 – 17:10

Type	Wednesday 1 June 2016	Location	Time
Oral	Unconventional Reservoirs II	Schubert 3	08:30 – 12:10
Oral	Well Performance I (SPE)	Schubert 1	13:30 – 17:10
Poster	Broadband Acquisition and Processing	e-Posters 1	08:30 – 12:10
Poster	CO2 Sequestration and Storage	e-Posters 6	08:30 – 12:10
Poster	Electromagnetic Methods (A)	e-Posters 7	08:30 – 12:10
Poster	EOR – Thermal, Mechanical, Microbial, CO2	e-Posters 3	13:30 – 17:10
Poster	Exploration and Fields – Case Histories	e-Posters 5	13:30 – 17:10
Poster	Full Waveform Inversion (B)	e-Posters 1	10:30 – 12:10
Poster	Full Waveform Inversion (C)	e-Posters 1	13:30 – 17:10
Poster	Innovative Technologies (A)	e-Posters 3	08:30 – 12:10
Poster	Knowledge Sharing (B) (SPE)	e-Posters 6	13:30 – 17:10
Poster	Petrophysics – Cores and Digital Rocks	e-Posters 5	08:30 – 12:10
Poster	Reservoir Characterization (A)	e-Posters 7	15:30 – 17:10
Poster	Seismic Attenuation (A)	e-Posters 4	08:30 – 12:10
Poster	Seismic Attributes (A)	e-Posters 2	13:30 – 17:10
Poster	Seismic Modelling (A)	e-Posters 4	13:30 – 17:10
Poster	Seismic Reservoir Characterization (A) – Case Studies	e-Posters 2	08:30 – 12:10
Poster	Velocity and Seismic Imaging – Parameter Estimation and Case Histories (A)	e-Posters 7	13:30 – 17:10
Student Poster	Electromagnetic and Potential Field Measurements	Student e-Posters 1	08:30 – 12:10
Student Poster	Near Surface, Water Resources and CO2 Sequestration	Student e-Posters 2	13:30 – 17:10
Student Poster	Petrophysics, Facies Modelling and Geomechanics	Student e-Posters 2	08:30 – 12:10
Student Poster	Rock Physics, Seismic Inversion and Reservoir Characterization	Student e-Posters 1	13:30 – 17:10

#### Thursday 2 June 2016

Type	Thursday 2 June 2016	Location	Time
Oral	AVO–AVA Analysis – Case Histories	Strauss 3	08:30 – 12:10
Oral	Broader Bandwidth Seismic Signal Processing	Strauss 3	13:30 – 17:10
Oral	Building and Updating Subsurface 3D Models	Lehar 4	08:30 – 12:10
Oral	CO2 Capture and Geological Storage I	Schubert 4	08:30 – 12:10
Oral	Distributed Acoustic Sensors and Borehole Geophysics	Stolz 2	08:30 – 12:10
Oral	Electromagnetic Methods III – Modelling and Measurement	Lehar 1	13:30 – 17:10
Oral	EOR (SPE)	Schubert 2	08:30 – 12:10
Oral	EOR – Many Options, One Goal	Schubert 4	13:30 – 17:10
Oral	Executive Session on 'Unconventionals outside North America'	Strauss 1	08.30 – 11.30
Oral	Fault and Fracture Analysis	Lehar 4	13:30 – 17:10
Oral	Full Waveform Inversion III – Methods	Strauss 2	08:30 – 12:10
Oral	Full Waveform Inversion IV	Strauss 2	13:30 – 17:10
Oral	Geomechanical Modelling	Lehar 5	15:30 – 17:10
Oral	Innovation in Potential Fields Methods	Lehar 1	08:30 – 12:10
Oral	Interpretation Case Studies	Stolz 1	13:30 – 17:10
Oral	Micro and Passive Seismic Event Detection and Analysis I	Schubert 3	08:30 – 10:10
Oral	Microseismic – Event Localization on Micro and Macro Scale	Stolz 2	13:30 – 17:10
Oral	Multi–component Seismic Data Processing	Lehar 5	08:30 – 12:10
Oral	NMO and Stacking	Lehar 2	13:30 – 17:10

Type	Thursday 2 June 2016	Location	Time
Oral	Pore Pressure Prediction	Schubert 1	15:30 – 17:10
Oral	Rejuvenating Mature Fields (SPE)	Schubert 2	13:30 – 17:10
Oral	Rock Physics IV – Carbonate and Source Rock	Stolz 0	08:30 – 12:10
Oral	Seismic Attenuation II	Stolz 0	13:30 – 17:10
Oral	Seismic Attributes I	Lehar 3	08:30 – 12:10
Oral	Seismic HSE	Schubert 1	13:30 – 15:10
Oral	Seismic Modelling III	Schubert 5	08:30 – 12:10
Oral	Seismic Modelling IV	Schubert 5	13:30 – 17:10
Oral	Seismic Noise Attenuation	Stolz 1	08:30 – 12:10
Oral	Seismic Reservoir Characterization III – Inversion Case Studies	Lehar 3	13:30 – 17:10
Oral	Shale Geology	Lehar 5	13:30 – 15:10
Oral	Time-lapse Seismic Interpretation II	Lehar 2	08:30 – 12:10
Oral	Unconventional Resources I (SPE)	Schubert 3	10:30 – 12:10
Oral	Unconventional Resources II (SPE)	Schubert 3	13:30 – 17:10
Oral	Using Multiples and Advanced Imaging Conditions	Strauss 1	13:30 – 17:10
Oral	Well Performance II (SPE)	Schubert 1	08:30 – 12:10
Poster	AVO Inversion and Rock Physics	e-Posters 6	08:30 – 12:10
Poster	Characterizing and Simulating Fractured Reservoirs	e-Posters 7	13:30 – 15:10
Poster	Geomechanics, Petrophysics and Flow Simulation in Structurally Complex Reservoirs	e-Posters 7	08:30 – 12:10
Poster	Near Surface – Surface Waves, EM, Characterization	e-Posters 3	08:30 – 12:10
Poster	Physical Seismic Modelling	e-Posters 1	13:30 – 15:10
Poster	RTM, Least Squares and Kirchhoff Methods	e-Posters 1	08:30 – 12:10
Poster	Sedimentology and Structural Regional Geology	e-Posters 5	08:30 – 12:10
Poster	Seismic Anisotropy in Fractured Reservoirs (A)	e-Posters 3	13:30 – 15:10
Poster	Seismic Deblending	e-Posters 4	08:30 – 12:10
Poster	Seismic Modelling (B)	e-Posters 4	13:30 – 15:10
Poster	Seismic Reservoir Characterization (B) – New Advanced Methods	e-Posters 2	08:30 – 12:10
Poster	Seismic Reservoir Characterization (C) – Using New Attributes	e-Posters 2	13:30 – 15:10
Poster	Today's Play – Tomorrow's Portfolio	e-Posters 5	13:30 – 15:10
Poster	Velocity Attribute Estimation	e-Posters 6	13:30 – 15:10
Student Poster	Seismic Interpretation and Attribute Analysis	Student e-Posters 2	08:30 – 12:10
Student Poster	Seismic Processing, Imaging and Modelling	Student e-Posters 1	08:30 – 12:10
Student Poster	Unconventional Resources	Student e-Posters 2	13:30 – 15:10
Student Poster	Well Performance and Well Tests	Student e-Posters 1	13:30 – 15:10

# Oral presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Lehar 1		Lehar 2	
<b>ELECTROMAGNETIC METHODS I</b> <i>K. Spitzer (TU Bergakademie Freiberg)</i>		<b>PERMANENT RESERVOIR MONITORING</b> <i>K. Hornman (Shell Global Solutions International BV) &amp; J. Lopez (Shell)</i>	
08:30	<b>Tu LHR1 01 - Study of the Casing Effect on Borehole-to-surface Onshore CSEM</b> - E. Vilamajó (University of Barcelona), V. Puzyrev* (Barcelona Supercomputing Center), P. Queralt (University of Barcelona), A. Marcuello (University of Barcelona) & J. Ledo (University of Barcelona)		<b>Tu LHR2 01 - Time-lapse Observations from PRM at Snorre</b> - M. Thompson* (Statoil ASA), M. Andersen (Statoil ASA), S.M. Skogland (Statoil ASA), C. Courtial (Statoil ASA) & V.B. Biran (Statoil ASA)
08:55	<b>Tu LHR1 02 - 3D Inversion of Controlled-source Electromagnetic Data in the Presence of Steel-cased Wells</b> - K. Tietze* (GFZ German Research Centre for Geosciences), C. Patzer (GFZ German Research Centre for Geosciences), O. Ritter (GFZ German Research Centre for Geosciences), P. Veeken (Wintershall Holding GmbH) & B. Verboom (Wintershall Holding GmbH)		<b>Tu LHR2 02 - Grane Permanent Reservoir Monitoring - Meeting Expectations!</b> - R.M. Elde* (Statoil ASA), S.S. Roy (Statoil ASA), C.F. Andersen (Statoil ASA) & T. Andersen (Statoil ASA)
09:20	<b>Tu LHR1 03 - Field Distortion Due to Surface Pipes in Surface to Borehole Electromagnetic</b> - N. Cuevas* (Schlumberger Geosolutions)		<b>Tu LHR2 03 - Seabed Subsidence Monitoring at Snorre with PRM Inclinometer Measurements</b> - M. Houbiers (Statoil ASA), R. Macault (Previously MSc student at IFF School), T. Roste* (Statoil ASA) & M. Thompson (Statoil ASA)
09:45	<b>Tu LHR1 04 - Calculating the Effect of Multiple Steel Cased Deviated Wells on Electromagnetic Surveys</b> - C. Kohnke* (Colorado School of Mines), F. Lavoué (Colorado School of Mines), R. Streich (Shell Global Solutions International BV) & A. Swidinsky (Colorado School of Mines)		<b>Tu LHR2 04 - A New Method for Field-wide Real-time Subsidence Monitoring with Sub-centimeter Accuracy</b> - H. Ruiz* (Octio Gravitude), R. Agersborg (Octio Gravitude), B. Fagerås (Octio Gravitude), L.T. Hille (Octio Gravitude), M. Lien (Octio Gravitude), J.E. Lindgård (Octio Gravitude) & M. Vatshelle (Octio Gravitude)
10:10	<b>Break</b>		<b>Break</b>
10:30	<b>Tu LHR1 05 - A Comparative Analysis of SP Data Inversion by Spectral, Tomographic and Global Optimization Approaches</b> - R. Di Maio (University of Naples Federico II), E. Piegari (University of Naples Federico II) & P. Rani* (University of Naples Federico II)		<b>Tu LHR2 05 - CO2 Reservoir Monitoring Using a Permanent Electrode Array - The Ketzin Case Study</b> - C. M. Schmidt-Hattenberger* (GFZ German Research Centre for Geosciences), D. Rippe (GFZ), T. Labitzke (GFZ), P. Bergmann (GFZ/SINTEF) & F.M. Wagner (GFZ/ETH)
10:55	<b>Tu LHR1 06 - A New Generation of Vertical CSEM Receiver</b> - S.L. Helwig* (PetroMarker AS), W. Wood (PetroMarker AS), B. Gloux (PetroMarker AS) & T. Holten (PetroMarker AS)		<b>Tu LHR2 06 - The CO2CRC Otway Project deployment of a Distributed Acoustic Sensing Network Coupled with Permanent Rotary Sources</b> - B.M. Freifeld* (Lawrence Berkeley National Laboratory), R. Pevzner (Curtin University and CO2CRC), S. Dou (Lawrence Berkeley National Laboratory), J. Correa (Curtin University and CO2CRC), T.M. Daley (Lawrence Berkeley National Laboratory), M. Robertson (Lawrence Berkeley National Laboratory), K. Tertyshnikov (Curtin University and CO2CRC), T. Wood (Lawrence Berkeley National Laboratory), J. Ajo-Franklin (Lawrence Berkeley National Laboratory), M. Urosevic (Curtin University and CO2CRC) & B. Gurevich (Curtin University, CSIRO Energy and CO2CRC)
11:20	<b>Tu LHR1 07 - MT Noise Suppression for Marine CSEM Data</b> - K.R. Hansen* (EMGS ASA), V. Markhus (EMGS ASA) & R. Mittet (EMGS ASA)		<b>Tu LHR2 07 - Correlating Frequent InSAR Deformations with Reservoir Pressure for Areal Conformance in Thermal EOR at Peace River</b> - C. Didraga* (Shell Global Solutions International BV) & J.L. Lopez (Shell International Exploration and Production Inc)
11:45	<b>Tu LHR1 08 - A 2.5D Comparison between Two CSEM Methods</b> - Ø. Frafjord (PetroMarker AS), K. Eide* (PetroMarker AS), A.M. El Kaffas (PetroMarker AS and University of Suez), S.L. Helwig (PetroMarker AS) & T. Holten (PetroMarker AS)		<b>Tu LHR2 08 - How Permanent DTS Installation Could Improve Well and Reservoir Knowledge</b> - A. Leone* (ENI) & G. Galli (ENI)
12:10	<b>Lunch</b>		<b>Lunch</b>
<b>HPC FOR GEOPHYSICAL APPLICATIONS</b> <i>A. St-Cyr (Shell Global Solutions International BV) &amp; F. Broggini (Swiss Federal Institute of Technology)</i>		<b>TIMELAPSE ACQUISITION AND PROCESSING</b> <i>E. Zabih Naeini (Kon Science) &amp; D. Rappin (Total)</i>	
13:30	<b>Tu LHR1 09 - Fast Pseudo-spectral Method for Wave Propagations</b> - S. Xu* (Statoil Gulf Service), B. Tang (Statoil Gulf Service) & H. Zhou (Statoil Gulf Service)		<b>Tu LHR2 09 - 4D Using Non-repeated OBS Acquisition Systems on the Njord Field</b> - M.S. Guttormsen* (Statoil), S. Ng (Statoil), Ø.H. Solbu (Statoil), H. Westerdahl (Statoil), J. Oukili (PGS) & T. Høy (PGS)
13:55	<b>Tu LHR1 10 - Viscoelastic Forward and Adjoint Modeling with OpenCL on Heterogeneous Clusters</b> - G. Fabien-Ouellet* (INRS-ETE), E. Gloaguen (INRS-ETE) & B. Giroux (INRS-ETE)		<b>Tu LHR2 10 - Angle-dependent Water Column Statics Correction through Sparse TauP Inversion</b> - R. Huang* (CGG), P. Wang (CGG), K. Nimsaila (CGG) & M. Vu (CGG)
14:20	<b>Tu LHR1 11 - A CPU/GPU Heterogeneous Hybrid Parallel Algorithm of Prestack Time Migration in Local Angle-domain</b> - S.Z. Sun (China University of Petroleum-Beijing) & F. Han* (China University of Petroleum-Beijing)		<b>Tu LHR2 11 - Simultaneous Time-lapse Imaging via Joint Migration and Inversion</b> - S. Qu* (Delft University of Technology) & D.J. Verschuur (Delft University of Technology)
14:45	<b>Tu LHR1 12 - Exploring the Use of SPIKE-based Solvers on Large Electromagnetic Modeling</b> - S. Rodríguez Bernabeu* (Barcelona Supercomputing Center), V. Puzyrev (Barcelona Supercomputing Center), M. Hanzich (Barcelona Supercomputing Center) & S. Fernández (Repsol Technology Center)		<b>Tu LHR2 12 - Time-lapse Repeatability Evaluation of a Multimeasurement Towed-streamer System - A North Sea Case Study</b> - C. Ocampo (WesternGeco), P.A. Watterson (WesternGeco), C. Cunnell* (WesternGeco), L. Hodgson (BP) & D. Davies (BP)
15:10	<b>Break</b>		<b>Break</b>
15:30	<b>Tu LHR1 13 - GPU Accelerations on the 3D Elastic RTM Method</b> - H. Fu (Tsinghua University), L. Gan* (Tsinghua University), R. Clapp (Stanford University), G. Alves (Stanford University), E. Biondi (Stanford University), G. Yang (Tsinghua University) & B. Biondi (Stanford University)		<b>Tu LHR2 13 - 4D Feasibility Case Study in a Mature Oilfield</b> - W.S. He* (BGP, CNPC), J. Wang (BGP, CNPC), Y. Ling (BGP, CNPC), X.Y. Guo (BGP, CNPC) & Z. Zou (BGP, CNPC)
15:55	<b>Tu LHR1 14 - Intel Xeon Optimizations for Elastic Wave Propagators</b> - A. Farres* (Barcelona Supercomputing Center) & M. Hanzich (Barcelona Supercomputing Center)		<b>Tu LHR2 14 - A Regularization Algorithm Optimized for Time-lapse Processing</b> - A. Khalil* (CGG), H. Hoeber (CGG), B. Deschizeaux (CGG), M. Ibram (BP) & D. Davies (BP)
16:20	<b>Tu LHR1 15 - High Performance GPGPU Structure-preserving Smoothing for Seismic Amplitude Data by Anisotropic Diffusion</b> - G.M. Faustino* (Tecgraf/PUC-Rio), P.C. Pampanelli (Tecgraf/PUC-Rio), J.M.V. Duarte Junior (Tecgraf/PUC-Rio), E.A. Perez (Tecgraf/PUC-Rio), E.R. Silva (Tecgraf/PUC-Rio), P. Frederick (Tecgraf/PUC-Rio) & P.M.C. Silva (Tecgraf/PUC-Rio)		<b>Tu LHR2 15 - A Novel Approach for Cost Effective PRM Seismic Operations at Snorre</b> - M. Thompson* (Statoil ASA), A.S. Pedersen (Statoil ASA), M. Andersen (Statoil ASA) & S.M. Skogland (Statoil ASA)
16:45	<b>Tu LHR1 16 - The Parallel Forward Modeling of the Wave Equation Based on AVX Instruction Set</b> - F. Wang* (Southwest Petroleum University), W.G. Liu (Southwest Petroleum University), C.L. Chen (Southwest Petroleum University), F.L. Liu (Southwest Petroleum University) & J. Tang (Southwest Petroleum University)		<b>Tu LHR2 16 - Measurement and Dynamic Wavefield Correction for Time-dependent Water-velocity Changes</b> - R. Zietal* (CGG) & R.R. Haacke (CGG)

## Oral presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Lehar 3		Lehar 4	
<b>VELOCITY AND SEISMIC IMAGING - PARAMETER ESTIMATION AND CASE HISTORIES I</b> <i>J.S. Kapoor (Schlumberger) &amp; L.G. Klefstad</i>		<b>DEDICATED - INTEGRATED DATA FOR GEOLOGICAL AND RESERVOIR MODELS</b> <i>M. Paydayesh (Schlumberger) &amp; R. Villegas (University of Manchester)</i>	
08:30	Tu LHR3 01 - High Resolution Model Building and Broadband Imaging in Deep Water Offshore Angola - A.A. Shmelev (Schlumberger), A. Cooke* (Schlumberger), O. Zdraveva (Schlumberger) & J. Penwarden (Schlumberger)	Tu LHR4 01 - Reservoir Model Assessment Using 4D Seismic - A Simulator to Seismic Modelling Study - H. Amini* (Heriot-Watt University) & C. MacBeth (Heriot-Watt University)	
08:55	Tu LHR3 02 - Full Waveform Inversion and Ambiguities Related to Strong Anisotropy in Exploration Areas – Case Study Barents Sea - Ø. Korsmo* (Petroleum Geo-Services), S. Marinets (Petroleum Geo-Services), S. Naumann (Petroleum Geo-Services) & G. Rønholt (Petroleum Geo-Services)	Tu LHR4 02 - Geomechanically Calibrated Rock Physics Modelling for 4D Seismic Response Prediction - M. Paydayesh* (Schlumberger) & A. Shamsa (Schlumberger)	
09:20	Tu LHR3 03 - TI Anisotropy Calibration with Sonic and Walkaway VSP - R. Guerra* (Schlumberger), E. Wielemaker (Schlumberger), F. Miranda (Eni), M. Ferla (Eni), F. Pampuri (Eni), S. Gemelli (Eni) & V. Mattonelli (Eni)	Tu LHR4 03 - Well Testing and Geological Modelling - Theory and Practice - H. Hamdi* (University of Calgary)	
09:45	Tu LHR3 04 - RTM Imaging Conditions and Image Enhancement via Optical Stacking - I.F. Jones (ION), M. Kobylarski (ION) & J. Brittan* (ION)	Tu LHR4 04 - Big-loop Model Conditioning Using Seismic and Geological Information - R. Hanea (Statoil ASA), T. Ek (Statoil ASA) & M. Ayzenberg* (Statoil ASA)	
10:10	Break	Break	
<b>EXPLORATION AND FIELDS</b> <i>M.F. Francis (Schlumberger) &amp; J. Nicholson (BG Group plc)</i>			
10:30	Tu LHR3 05 - Integrating Geophysical and Geological Models for De-risking Hydrocarbon Exploration – A Rio del Rey Basin Case Study - P.G. Wilson* (Glencore Exploration Cameroon Ltd), J. Wanstall (Glencore Exploration Cameroon Ltd), M.P. Jameson (Glencore Exploration Cameroon Ltd), M. Nuzzo (Integrated Geochemical Interpretation Ltd), P. Nguema (Societe Nationale des Hydrocarbures du Cameroun) & S. Tamfu (Societe Nationale des Hydrocarbures du Cameroun)	Tu LHR4 05 - Structural Parameters Effect on the Sleipner CO2 Underground Storage Simulation History Match - F. Jedari Eyvazi* (TNO)	
10:55	Tu LHR3 06 - A Successful Geophysical Prediction of Fractured Porous Basement Reservoir - Rolvsnes Oil Discovery 2015, Utsira High - J.E. Lie* (Lundin Norway), E.H. Nilsen (Lundin Norway AS), E. Grandal (Lundin Norway), K. Grue (Lundin Norway) & R. Sørli (Lundin Norway)	Tu LHR4 06 - History Matching of Reservoirs by Updating Fault Properties and Rock-fluid Properties Using 4D Seismic Results - I. Mahmood* (University of Manchester) & R. Villegas (University of Manchester)	
11:20	Tu LHR3 07 - De-risking Drill Decisions - A Case Study on the Benefit of Re-processing Conventionally Acquired Seismic Data - E. Knight (EnQuest), J. Raffle (ION), S. Davies (ION), H. Sherazi-Selby (ION), E. Evans (ION), M. Johnson (EnQuest) & I.F. Jones* (ION)	Tu LHR4 07 - Integrated Structural Reconstruction and History Matching Using Ensemble Filter and Low-frequency Electromagnetic Data - C. Etienam* (University of Manchester), R. Villegas (University of Manchester) & M. Babaei (University of Manchester)	
11:45	Tu LHR3 08 - Infill Opportunities after 45 Years of Production from the L10 Central Gas Field, Dutch Sector of the Southern North Sea - G. Daniau* (ENGIE E&P International), J. Guyomard (ENGIE E&P Nederland B.V.), H. de Haan (ENGIE E&P Nederland B.V.) & T. Benedictus (ENGIE Nederland B.V.)	Tu LHR4 08 - Geostatistical History Matching with Ensemble Updating - M.J. Quintão (CERENA/Instituto Superior Técnico), A. Soares (CERENA/Instituto Superior Técnico) & L. Azevedo* (CERENA/Instituto Superior Técnico)	
12:10	Lunch	Lunch	
<b>RESERVOIR CHARACTERIZATION I</b> <i>R.D. Benson (Colorado School of Mines) &amp; G.B. Straathof (SGS Horizon BV)</i>		<b>DEPOSITIONAL SYSTEMS</b> <i>M.E. Donselaar (Delft University of Technology) &amp; C.J. Lowrey (Bayerngas Norway AS)</i>	
13:30	Tu LHR3 09 - Reservoir Architecture Modelling for Geothermal Energy Production - Case Study of the Delft Sandstone Member, West Netherlands - M.E. Donselaar* (Delft University of Technology)	Tu LHR4 09 - Different Approaches for Prediction of Reservoir Volume in Slope Channel Complexes (Miocene, Offshore Nile Delta, Egypt) - S. Lang* (DEA Deutsche Erdoel AG), G. von Halem (DEA Deutsche Erdoel AG), A.H. Hassan Soliman (DEA Deutsche Erdoel AG) & U. Lorang (DEA Deutsche Erdoel AG)	
13:55	Tu LHR3 10 - Comparison of the Petrography and Petrophysical Parameters of Fontainebleau Sandstone - Measurements and Literature - F.S. Al Saadi* (Shell Global Solutions International B.V.), K.H. Wolf (TU Delft) & C.K. Kruijsdijk (Shell Global Solutions International B.V.)	Tu LHR4 10 - Stratigraphic Compartmentalization of the Alveheim Field - A. Hjelbakk* (Det norske oljeselskap ASA), A. Bang (Det norske oljeselskap ASA), A. Kotwicki (Det norske oljeselskap ASA), K. Langaas (Det norske oljeselskap ASA), M.A. Leonthin (Det norske oljeselskap ASA) & K.L. Stuart (Marathon International Oil (G.B.) Limited)	
14:20	Tu LHR3 11 - Reservoir Quality within the Johan Castberg (Formerly Skrugard) Field in the South-Western Barents Sea - A. Jabbar* (University of Oslo) & J. Jahren (University of Oslo)	Tu LHR4 11 - Mid-late Miocene Sea Level Falls, Gas Hydrates Decay, Submarine Sliding, and Tsunamites in the Black Sea Basin - A.A. Kitchka* (SE NaukaNaftogaz), A.P. Tyshchenko (SE NaukaNaftogaz) & V.I. Lysenko (Moscow State Univ. Sevastopol Branch)	
14:45	Tu LHR3 12 - Characterization of Microscopic Pore Structure and Its Effect on Macroscopic Physical Parameters in Tight Gas Reservoirs - L.C. Zhang* (China University of Petroleum (East China)), S.F. Lu (China University of Petroleum (East China)) & D.S. Xiao (China University of Petroleum (East China))	Tu LHR4 12 - Deep Water Depositional Architecture, Evolution and Reservoir Potential in the Rakhine Basin, Offshore Myanmar - Z.C. Xu* (PetroChina Hangzhou Research Institute of Geology), H.X. Ma (PetroChina Hangzhou Research Institute of Geology), G.Z. Fan (PetroChina Hangzhou Research Institute of Geology), F.L. Lu (PetroChina Hangzhou Research Institute of Geology) & L.B. Ding (PetroChina Hangzhou Research Institute of Geology)	
15:10	Break	Break	
15:30	Tu LHR3 13 - New Insights on the Characterisation of the Pyroclastic-rich Bajo Barreal Fluvial Reservoir (Argentina) - A. Moscariello (University of Geneva), B. Šegvić (University of Geneva), R. Lehu (YPF Subsurface Studies), G. Pedersen (YPF Subsurface Studies), J. Gonus* (Geneva Petroleum Consultants International), C. Arbiol González (University of Geneva), A. Limeres (YPF Subsurface Studies), C. Bernhardt (YPF Subsurface Studies), D. Perez (YPF Subsurface Studies), A. Thompson (YPF Subsurface Studies), F. Dandrea (YPF Subsurface Studies), D. Ancheta (YPF Subsurface Studies), A. Saccomano (YPF Subsurface Studies), G. Vocaturro (YPF Subsurface Studies), B. Sallier (Geneva Petroleum Consultants International), J. Massafiero (YPF Subsurface Studies) & E. Morettini (YPF Subsurface Studies)	Tu LHR4 13 - Sequence Stratigraphy of the Middle Jurassic Dhurma Formation in the Oman Mountains (Sultanate of Oman) - M. Schlaich* (University of Tübingen) & T. Aigner (University of Tübingen)	
15:55	Tu LHR3 14 - Relationship between Rock Typing and Petrography - A Case Study on the Fahliyan Formation in the Persian Gulf - M. Goodarzi* (Pars Petro Zagros Engineering & Services Co. (PPZ)), M. Jamaljan (Pars Petro Zagros Engineering & Services Co. (PPZ)), D. Amirsardari (Petroleum Engineering and Development Company), M. Jamaljan (Islamic Azad University, Science and Research) & J. Shoghi (Pars Petro Zagros Engineering & Services Co. (PPZ))	Tu LHR4 14 - Sequence Stratigraphic Analysis of the Lower Cretaceous of South Pakistan - S. Mahmoud* (KUFPEC (Kuwait Foreign Petroleum Exploration Co))	
16:20	Tu LHR3 15 - Reservoir Characterization of Giant Gas Condensate Bearing Kangan and Dalan Formations - S. Dowlati* (University of Tehran)	Tu LHR4 15 - Hydrocarbon Occurrences and Deformation Styles in the Zagros - A Focus on the Kurdistan and Lorestan HC Provinces - R. Di Cui* (G.E.Plan Consulting), P. Pace (G.E.Plan Consulting), R. Bitonte (G.E.Plan Consulting) & A. Riva (G.E.Plan Consulting)	
16:45		Tu LHR4 16 - Detachment Folding in the Polar Urals Foreland - Structural Geology and Hidden Petroleum Potential - K. Sobornov* (Nord-West Ltd), V. Danilov (Gazprom VNIIGAZ), P. Prijmak (Timan Pechora Gas Company) & N. Nikinov (TP NIC)	



## Oral presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Lehar 5		Schubert 1	
<b>MULTI-COMPONENT SEISMIC IMAGING</b> <i>K.A. Stanton (University of Alberta) &amp; R. Soubaras (CGG)</i>		<b>INTEGRATED ASSET DEVELOPMENT (EAGE/SPE)</b> <i>B. Stewart (Halliburton)</i>	
08:30	<b>Tu LHR5 01 - Sparse Ocean Bottom Node on the Alwyn Field - From Acquisition to Joint PP-PS Imaging</b> - J. Brunelliere* (Total), S. Sioni (Total), A. Mitra (Total E&P UK), X. Lu (Total E&P UK) & A. Karagul (Total E&P UK)	<b>Tu SBT1 01 - The Komsomolskoye Field - Fast Track Development of a Remote Oilfield Using a Blend of Horizontal and Vertical Wells</b> - M. Lechner* (OMV Petrom SA), M. Uspanov (OMV Petrom SA) & A. Ilchibayeva (OMV Petrom SA)	
08:55	<b>Tu LHR5 02 - Sparse Nodes and Shallow Water - PS Imaging Challenges on the Alwyn North Field</b> - J. Holden (CGG), D. Fritz (CGG), O. Bukola (CGG), J. McLeman (CGG), R. Refaat (CGG), C. Page* (CGG), J. Brunelliere (Total), S. Sioni (Total), A. Mitra (Total E&P UK) & X. Lu (Total E&P UK)	<b>Tu SBT1 02 - Quantifying and Updating Facies Uncertainties Using ES-MDA - Real Field Case Study</b> - R.G. Hanea (Statoil ASA), T. Ek* (Statoil ASA), B. Massart (Statoil ASA) & C. Pettan (Statoil ASA)	
09:20	<b>Tu LHR5 03 - Benefit of OBS PP and PS Data for Structural Interpretation on Snøhvit and Albatross Fields</b> - B. Osdal* (Statoil ASA), H. M. Zadeh (Statoil ASA), M. S. Guttormsen (Statoil ASA), H. A. Aronsen (Statoil ASA), D. C. Cannavo (CGG) & G. O. Øxnevad (CGG)	<b>Tu SBT1 03 - Resilient Field Developments that Can Accommodate Uncertainty Are the Best Solution for a Sustained Low Oil Price Environment</b> - C.T. Hopper* (Moving Future)	
09:45	<b>Tu LHR5 04 - Full-azimuth Ocean Bottom Seismic for Imaging Beneath Complex Overburden at Johan Sverdrup</b> - B. King* (Statoil ASA), S. Winterstø (Statoil ASA), J. Nilssen (Statoil ASA), D. Underwood (Schlumberger Geosolutions), D. Brager (Schlumberger Geosolutions), S. Mitchell (Schlumberger Geosolutions) & J. Aviles (Schlumberger Geosolutions)	<b>Tu SBT1 04 - Chance of Maturation - An Approach for Resource Classification and Portfolio Management</b> - SP Poeltlitz* (OMV Exploration & Production GmbH)	
10:10	Break	Break	
10:30	<b>Tu LHR5 05 - Efficient Wave Mode Separation in Anisotropic Media - Part I-Separation Operators</b> - Y. Zhou* (Tongji University) & H.Z. Wang (Tongji university)	<b>Tu SBT1 05 - Integrated Drilling and Evaluation of a Horizontal Granitic Basement Producer</b> - A. Belaidi (Hurricane Energy), R. Trice (Hurricane Energy), A. Walmsley* (Halliburton) & A. Penman (Halliburton)	
10:55	<b>Tu LHR5 06 - Efficient Wave Mode Separation in Anisotropic Media - Part II-Phase and Amplitude Corrections</b> - Y. Zhou* (Tongji University) & H.Z. Wang (Tongji university)	<b>Tu SBT1 06 - Application of Multiple 3D Static Model Scenarios in a Complex Carbonate Reservoir for Accurate Production Forecasting</b> - A. Gryaznov* (Baker Hughes, Reservoir Development Services), I. Martin (Baker Hughes, Reservoir Development Services), A. Kshirsagar (Baker Hughes, Reservoir Development Services) & V. Dos Santos (Sonangol Simulation Center)	
11:20	<b>Tu LHR5 07 - A New Scalar Imaging Condition for Vector-based Elastic Reverse Time Migration</b> - Q.Z. Du* (China University of Petroleum), C.F. Guo (China University of Petroleum), X.F. Gong (China University of Petroleum), C.X. Wang (BGP, CNPC) & X.Y. Li (China University of Petroleum)	<b>Tu SBT1 07 - DAS/dTS/DSS/DPS/DxS - Do We Measure What Adds Value?</b> - K. Gohari* (Baker Hughes RDS), H.A. Jutila (Baker Hughes RDS), A.H. Kshirsagar (Baker Hughes RDS), A. Chattopadhyay (Baker Hughes RDS), C. Mascagnini (Baker Hughes RDS), A. Gryaznov (Baker Hughes RDS), P. Kidd (Baker Hughes Inc) & F. Zarei (Computer Modelling Group)	
11:45	<b>Tu LHR5 08 - Elastic Reverse Time Migration Based on Decoupled Wave Equation and Inner Product Imaging Condition</b> - P. Yong* (China University of Petroleum (East China)), J.P. Huang (China University of Petroleum (East China)), Z.C. Li (China University of Petroleum (East China)), L.P. Qu (China University of Petroleum (Beijing)), Q.Y. Li (China University of Petroleum (East China)) & P.J. Liu (China University of Petroleum (East China))	<b>Tu SBT1 08 - New High Risk Deep Opportunities in a Mature Field, Desfiladero Bayo, Mendoza, Argentina</b> - F. Mora* (YPF S.A.), S. Espinach (YPF S.A.), S. Koch (YPF S.A.), G. Ballester (YPF S.A.) & M. Varas (YPF S.A.)	
12:10	Lunch	Lunch	
<b>SEISMIC INTERFEROMETRY - THEORY AND APPLICATIONS</b> <i>C. Page (RPS Energy)</i>		<b>RESERVOIR SURVEILLANCE AND MANAGEMENT (EAGE/SPE)</b> <i>H. Jutila (Baker Hughes)</i>	
13:30	<b>Tu LHR5 09 - A Single-sided Representation for Virtual Sources and Virtual Receivers</b> - K. Wapenaar* (Delft University of Technology), J.V. Thorbecke (Delft University of Technology), J.R. van der Neut (Delft University of Technology), S. Singh (Colorado School of Mines), E.C. Slob (Delft University of Technology) & R. Snieder (Colorado School of Mines)	<b>Tu SBT1 09 - Pilot-scale Process Efficiency Buoyant Settling of Immiscible Heavy Fluid in Mud - A Promising Technique to Stop Annular Gas Migration above Leaking</b> - E. Demirci* (Turkish Petroleum Corporation) & A.K. Wojtanowicz (Louisiana State University)	
13:55	<b>Tu LHR5 10 - Full-wavelength Redatuming of Perturbed Fields with the Marchenko Method</b> - I. Vasconcelos* (Schlumberger) & J. van der Neut (Delft University of Technology)	<b>Tu SBT1 10 - Evaluation of Variable Oil Volume and Rock Types with Nmr and Dielectric Dispersion Logs in a Carbonate Reservoir High Deviation Drain</b> - M. Clavier* (Schlumberger) & C. Reynaud (Perenco)	
14:20	<b>Tu LHR5 11 - Constructing Only the Primary Reflections in Seismic Data - Without Multiple Removal</b> - G.A. Meles* (University of Edinburgh), K. Wapenaar (Delft University of Technology), A. Curtis (University of Edinburgh) & C. da Costa Filho (University of Edinburgh)	<b>Tu SBT1 11 - CO2 Flooding Seismic Monitoring of Reservoir Based on Frequency-dependent Velocity Factor</b> - W. Xiao* (China University of Petroleum), J.H. Zhang (China University of Petroleum), J. Li (China University of Petroleum), M.Y. Tan (Geophysical Research Institute of Shengli Oilfield) & S.L. Cui (Geophysical Research Institute of Shengli Oilfield)	
14:45	<b>Tu LHR5 12 - Coupled Seismo-electromagnetic Interferometry for 2D Homogeneous SH-TE Scenarios</b> - N. Grobbe* (Delft University of Technology), E.C. Slob (Delft University of Technology) & C.P.A. Wapenaar (Delft University of Technology)	<b>Tu SBT1 12 - New Methodology to Calculate Water Cut in Mature Waterflood - Alba Field</b> - B. Dujardin* (Chevron) & I. Moore (Chevron)	
15:10	Break	Break	
15:30	<b>Tu LHR5 13 - Anisotropic Seismic Noise Gradiometry by Elliptically-anisotropic Wave Equation Inversion - An Example at Ekofisk</b> - S.A.L. de Ridder* (University of Edinburgh) & A. Curtis (University of Edinburgh)	<b>Tu SBT1 13 - Unlocking the Potential of Remaining Hydrocarbons Using Time Lapse Reservoir Surveillance in Complex Completions in Mature Fields - A Case Study from UK Central North Sea</b> - A. Ali* (Shell UK Ltd), S. Small (Shell UK Ltd), K. Singh (Schlumberger UK) & A.J. Martin (Schlumberger UK)	
15:55	<b>Tu LHR5 14 - Use of Ambient Noise to Enhance Low Frequencies Seismic Migration Images</b> - B. De Cacqueray* (CGG), J. Cotton (CGG), F. Duret (CGG), C. Berron (CGG) & E. Forgues (CGG)	<b>Tu SBT1 14 - Making Full Use of Horizontal Well Data in Depth Conversion - A Case Study at the Dan Field</b> - A.K. Lundsgaard (Maersk Oil and Gas), N. Hodgson* (Maersk Oil and Gas) & C.E. Derer (Maersk Oil and Gas)	
16:20	<b>Tu LHR5 15 - Shallow Rayleigh-wave Tomography Using Traffic Noise from Long Beach, California, USA</b> - J.P. Chang* (Stanford University), S.A.L. de Ridder (University of Edinburgh) & B.L. Biondi (Stanford University)	<b>Tu SBT1 15 - A Multidisciplinary Approach to Improve Reservoir Management of a Tidal-fluvial Channel Reservoir in Tasbulat Field, Kazakhstan</b> - M. Lechner* (OMV Petrom SA), R. Iltukov (OMV Petrom SA) & M. Mukushev (OMV Petrom SA)	
16:45	<b>Tu LHR5 16 - Locating Scatterers Ahead of a Tunnel Boring Machine Using Noise Correlation</b> - U. Harmankaya* (Istanbul Technical University), A. Kaslılar (Istanbul Technical University), K. Wapenaar (Delft University of Technology) & D. Draganov (Delft University of Technology)		

## Oral presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Schubert 2		Schubert 3	
<b>INTEGRATED DYNAMIC MODELLING I (EAGE/SPE)</b> <i>T. Manai (Schlumberger) &amp; P. Samier (Total)</i>		<b>UNCONVENTIONAL RESERVOIRS I</b> <i>I.M. Geldmacher (Weatherford International) &amp; C.M. Luneburg (Landmark Graphics Corporation)</i>	
08:30	<b>Tu SBT2 01 - Scalability and Performance Efficiency of History Matching Workflows Using MCMC and Adjoint Techniques Applied to the Norne North Sea Reservoir Case Study</b> - R. Schulze-Riegert* (Schlumberger SPT TC), M. Nwakile (Schlumberger SPT TC), S. Skripkin (Schlumberger SPT TC) & Y. Willen (Clausthal University of Technology)	<b>Tu SBT3 01 - Identifying Unconventional Potential Using Seismic Inversion and Neural Networks - An Eagle Ford Shale Study</b> - X.E. Refunjol* (Swift Energy), L. Infante (The University of Oklahoma) & A. Bernaez (Shell)	
08:55	<b>Tu SBT2 02 - Identification of the Compositional Path Followed During Reservoir Simulation Improves the Accuracy and Accelerates the Phase Behavior Calculations</b> - V. Gaganis* (Technical University of Crete), N. Varotsis (Technical University of Crete) & S. Todman (Petroleum Experts)	<b>Tu SBT3 02 - Prestack Seismic Data Inversion for Shale Gas Reservoir Characterization in China</b> - G. Yu* (BGP Inc), Y.S. Zhang (BGP Inc.), X.M. Wang (BGP Inc.), X. Liang (Zhejiang Oilfield), U. Strecker (RSI) & M. Smith (RSI)	
09:20	<b>Tu SBT2 03 - Reservoir Model Selection for Dynamic Simulation</b> - J.H. de Kok* (SGS Horizon B.V.) & W.J. van Strien (SGS Horizon B.V.)	<b>Tu SBT3 03 - Application of Iterative Inversion for Organic Rich Shale Prediction - A Case Study in Xiuwu Basin</b> - S.Z. Sun* (China University of Petroleum, Beijing), P.F. Wang (China University of Petroleum, Beijing), Z.S. Liu (China University of Petroleum, Beijing), D. Zhang (China University of Petroleum, Beijing) & H. Zhang (China University of Petroleum, Beijing)	
09:45	<b>Tu SBT2 04 - The Potential for Predicting Production by Characterizing Fluid Flow and Drainage Patterns Using Microseismicity</b> - T.I. Urbancic (ESG Canada Inc), L. Smith-Boughner (ESG Canada Inc), A.M. Baig* (Engineering Seismology Group Canada Inc. (ESG)), E. von Lunen (NexenCnooc Ltd), J. Budge (NexenCnooc Ltd) & J. Hendrick (NexenCnooc Ltd)	<b>Tu SBT3 04 - Application of Seismic Liquid Identification Method in Shale Gas Sweet Spots Prediction in Baojing Area of South China</b> - Y.D. Yang* (China University of Petroleum, Beijing), H.D. Huang (China University of Petroleum, Beijing), Y.N. Luo (China University of Petroleum, Beijing), Y.X. Miao (China University of Petroleum, Beijing), J.L. Zhang (China University of Petroleum, Beijing), S. Zhang (China University of Petroleum, Beijing) & D. Yang (China University of Petroleum, Beijing)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>Tu SBT2 05 - Multiscale Fracture Integration into a Multiple-porosity Model - Fracture Lumping and Optimal Number of Scales</b> - A.M. Kamp* (Total SA), N. Legrand (Imperial College London) & O.R. Gosselin (Imperial College London)	<b>Tu SBT3 05 - Geomechanical Investigations for a North American Shale Gas Play</b> - N. Hummel* (BG Group plc), M. Parotidis (BG Group plc), J. Wheeler (BG Group plc) & J. Graham (BG Group plc)	
10:55	<b>Tu SBT2 06 - Optimizing Water Injection in a Shallow Off-Shore Reservoir</b> - G. Kienberger (OMV), T. Clemens* (OMV), M. Persaud (OMV), A. Suri (University of Petroleum and Energy Studies), M.M. Sharma (University of Texas), M. Boschi (OMV) & A. Overland (OMV)	<b>Tu SBT3 06 - Organic Geochemistry and Pore System Characterization of Shales from Middle Permian Barren Measures Formation, India</b> - A. Tewari* (Indian Institute of Technology Bombay (IIT)) & S. Dutta (Indian Institute of Technology Bombay (IIT))	
11:20	<b>Tu SBT2 07 - A Novel Approach for Waterflood Management Optimisation Using Streamline Technology</b> - X. Li* (Imperial College), T. Yi (Schlumberger), M. Giddins (Schlumberger), S. Krevor (Imperial College) & S. Aderemi (Schlumberger)	<b>Tu SBT3 07 - Analysis of the Heterogeneity of the Polish Shale Gas Formations by Factor Analysis on the Basis of Well Logs</b> - K. Wawrzyniak-Guz* (AGH - University of Science and Technology), J.A. Jarzyna (AGH - University of Science and Technology), M. Zych (AGH - University of Science and Technology), M. Bala (AGH - University of Science and Technology), P.I. Krakowska (AGH - University of Science and Technology) & E. Puskarczyk (AGH - University of Science and Technology)	
11:45	<b>Tu SBT2 08 - Joint Optimization of Well Locations and Operational Conditions Using a New Hybrid Algorithm</b> - H. Yang* (Seoul National University), M. Jang (Seoul National University), J. Kim (Seoul National University), B. Kang (Seoul National University) & J. Choe (Seoul National University)	<b>Tu SBT3 08 - Elemental and Isotopic Chemostratigraphy of the Vaca Muerta Formation, Neuquén Basin, Argentina</b> - E. Hernandez Bilbao* (Colorado School of Mines) & J.F. Sarg (Colorado School of Mines)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>LOW SALINITY WATERFLOODING AND ROCK WETTABILITY (EAGE/SPE)</b> <i>T. Clemens (OMV Exploration &amp; Production GmbH) &amp; K.H. Wolf (Delft University of Technology)</i>		<b>DYNAMIC MODELLING - UPSCALING AND SIMULATION</b>	
13:30	<b>Tu SBT2 09 - Experimental Validation of a Pore-scale Derived Dimensionless Capillary Pressure Function for Imbibition under Mixed Wet Conditions</b> - Y. Zhou* (University of Aberdeen), J. Holland (IRIS), D. Hatzignatiou (University of Stavanger), R. Ahsan (Statoil) & A. Hiorth (IRIS and Uis)	<b>Tu SBT3 09 - Integration of Static and Dynamic Data in Flow Simulation of Carbonate Reservoirs</b> - M.G. Correia* (State University of Campinas), C. Maschio (State University of Campinas) & D.J. Schiozer (State University of Campinas)	
13:55	<b>Tu SBT2 10 - Insights of Berea Sandstone Wettability Alteration as A-model of Sandstone Reservoir through Contact Angle Measurement</b> - R. Kareem* (Durham University), P. Cubillas (Durham University), H. J.Riggs (Durham University), J. Gluyas (Durham University), D.R. Gröcke (Durham University) & H.C. Greenwell (Durham University)	<b>Tu SBT3 10 - Dispersivity Estimation in Real Pore Scale Samples</b> - F. Collin-Bastiani (CERFACS), R. Guibert (INP-IMFT), P. Horgue (INP-IMFT), M. Deckers (OMV), T. Clemens (OMV) & G. Debenest* (INP-IMFT)	
14:20	<b>Tu SBT2 11 - Optimizing the Low Salinity Water for EOR Effects in Sandstone Reservoirs - Composition vs Salinity</b> - I.D. Piñerez Torrijos* (University of Stavanger), T. Puntervold (University of Stavanger), S. Strand (University of Stavanger) & A. Rezaeidoust (Statoil ASA)	<b>Tu SBT3 11 - Efficient Calculation of Flux Conservative Streamline Trajectories on Complex and Unstructured Grids</b> - L.H. Zuo (Texas A&M University), J. Lim (Energy Holdings Group), R.Q. Chen (Texas A&M University) & M.J. King* (Texas A&M University)	
14:45	<b>Tu SBT2 12 - Geochemical Interpretation and Field Scale Optimization of Low Salinity Water Flooding</b> - N.T. Nguyen* (University of Calgary), C.T. Dang (Computer Modelling Group Ltd), L.X. Nghiem (Computer Modelling Group Ltd) & Z. Chen (University of Calgary)	<b>Tu SBT3 12 - Impact of <i>in situ</i> Reactivity on Scale Management in Sandstone and Carbonate Reservoirs</b> - E. Mackay (Heriot-Watt University), M. Jordan* (Nalco Champion) & S. Geiger (Heriot-Watt University)	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>Tu SBT2 13 - Understanding the Chemical Mechanisms for Low Salinity Waterflooding</b> - C. Qiao* (Pennsylvania State University), R.T. Johns (Pennsylvania State University) & J. Li (Pennsylvania State University)	<b>Tu SBT3 13 - Implementation of a Vertex Centered Method inside an Industrial Reservoir Simulator - Fault Modeling Aspects</b> - P. Samier* (Total)	
15:55	<b>Tu SBT2 14 - Integrated Modeling for Assisted History Matching and Production Forecasting of Low Salinity Waterflooding</b> - C.T. Dang* (Computer Modelling Group Ltd), L.X. Nghiem (Computer Modelling Group Ltd), N.T. Nguyen (University of Calgary), Z. Chen (University of Calgary) & C. Yang (Computer Modelling Group Ltd)	<b>Tu SBT3 14 - Accelerating Large-scale Reservoir Simulations Using Supercomputers</b> - H. Liu* (University of Calgary), K. Wang (University of Calgary), J. Luo (University of Calgary), Z. Chen (University of Calgary), B. Yang (University of Calgary) & R. He (University of Calgary)	
16:20	<b>Tu SBT2 15 - Effects of Injection Rate of Low Salinity Brine on Oil Recovery Mechanisms and Relative Permeability Curves</b> - F. Srisuriyachai* (Chulalongkorn University), S. Panthuvichien (Chulalongkorn University), T. Phomsuwansiri (Chulalongkorn University) & W. Katekaew (Chulalongkorn University)	<b>Tu SBT3 15 - Improving Model History Match Using a Novel Streamline-based Approach - A Field Study from Saudi Arabia</b> - A.A. Al-Najem* (Saudi Aramco), A.A. Al-Turki (Saudi Aramco), R. Batycky (StreamSim Technologies) & M. Thiele (StreamSim Technologies)	
16:45	<b>Tu SBT2 16 - Modelling of Geochemical Reactions During Smart Water Injection in Carbonate Reservoirs</b> - Y. Hu* (Heriot-Watt University) & E. Mackay (Heriot-Watt University)	<b>Tu SBT3 16 - Challenges of a Complex Mature Oil Reservoir Simulation</b> - E.M. Bisso Bi Mba* (DEA Deutsche Erdoel AG), A. Yadav (DEA Deutsche Erdoel AG), A. El-Hawari (DEA Deutsche Erdoel AG) & E. Omara (Suez Oil Company)	



## Oral presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Schubert 4		Schubert 5	
<b>ABSOLUTE AND RELATIVE PERMEABILITY - FROM PORE TO FIELD SCALE</b> <i>A. Al-Awami (OPEC) &amp; S. Geiger (Heriot-Watt University)</i>		<b>ROCK PHYSICS I</b> <i>B. Gurevich (Curtin University) &amp; P.N.J. Rasolofosaon (IFP Energies Nouvelles)</i>	
08:30	<b>Tu SBT4 01 - A New Method for Calculating Permeability Using NMR T2 Distribution -</b> M. Liu* (China University of Petroleum(Beijing)), R.H. Xie (China University of Petroleum(Beijing)), C.X. Li (China University of Petroleum(Beijing)) & X. Li (China University of Petroleum(Beijing))		<b>Tu SBT5 01 - Dispersion and Attenuation for the Drained/Undrained Transition - Modelling the Experiment -</b> L. Pimienta* (ENS - Laboratoire de Géologie), J. Borgomano (ENS - Laboratoire de Géologie), J. Fortin (ENS - Laboratoire de Géologie) & Y. Guéguen (ENS - Laboratoire de Géologie)
08:55	<b>Tu SBT4 02 - Permeability Estimations Based on Internal Surface and NMR T2 for Chesapeake Bay Impact Structure (Eyreville Cores) -</b> S.I. Mayr* (Freie Universitaet Berlin) & H. Wilhelm (Karlsruhe Institute of Technology)		<b>Tu SBT5 02 - Multiscale Measurement for Wave Dispersion in Consolidated Sandstones -</b> X.Y. Ma* (China University of Petroleum), S.X. Wang (China University of Petroleum), J.G. Zhao (China University of Petroleum) & H.J. Yin (China University of Petroleum)
09:20	<b>Tu SBT4 03 - Clay Mineral Effect in Sandstone Reservoir toward Usage of Fluid Drilling Type. Study Case -</b> Lisa Field, Tarakan Basin - F.A. Abdulah (Universitas Padjadjaran), M.S.A.A. Akbarsyah* (Universitas Padjadjaran) & Y.Y. Yuniardi (Universitas Padjadjaran)		<b>Tu SBT5 03 - Reciprocity and Microinhomogeneity in Poroelasticity -</b> T.M. Mueller* (CSIRO Energy) & P.N. Sahay (CICESE)
09:45	<b>Tu SBT4 04 - Two-step Upscaling Method Applied to Non-Darcy Flow -</b> R. Guibert (INP-IMFT), P. Horgue (INP-IMFT), J.F. Thovert (Pprime) & G. Debenest* (INP-IMFT)		<b>Tu SBT5 04 - Velocity-saturation Relation in Partially Saturated Rocks - Modelling the Effect of Injection Rate Changes -</b> J.W. Liu* (Tsinghua University), T.M. Muller (CSIRO Energy), Q.M. Qi (Curtin University), M. Lebedev (Curtin University) & W.T. Sun (Tsinghua University)
10:10	Break		Break
10:30	<b>Tu SBT4 05 - Numerical-simulation-based Determination of Relative Permeability in Laminated Rocks -</b> M. Sedaghat* (The University of Melbourne), S.K. Matthai (The University of Melbourne) & S. Azizmohammadi (Montan University of Leoben)		<b>Tu SBT5 05 - A Set-up for Dispersions and Attenuations Measurements in Fluid-saturated Rocks -</b> L. Pimienta* (ENS - Laboratoire de Géologie), J. Fortin (ENS - Laboratoire de Géologie) & Y. Guéguen (ENS - Laboratoire de Géologie)
10:55	<b>Tu SBT4 06 - A Visual Framework for Reservoir Connectivity Analysis -</b> R. Cabral Ramos Mota (University of Calgary), H. Hamdi* (University of Calgary), M. Costa Sousa (University of Calgary), E. Sharlin (University of Calgary) & Z.X. Chen (University of Calgary)		<b>Tu SBT5 06 - A Dual Porosity Solid Substitution Recipe for Heavy Oil Rocks -</b> S. Glubokovskikh* (Curtin University), B. Gurevich (Curtin University) & N. Saxena (Shell International Exploration and Production)
11:20	<b>Tu SBT4 07 - An Investigation on Simulation Capabilities of Regular Based Pore Networks -</b> S. Aghabozorgi Nafchi* (University of Tehran) & B. Rostami (University of Tehran)		<b>Tu SBT5 07 - Clay Distribution Effects on the Joint Elastic-electrical Properties of Shaly Sandstones -</b> N. Aladwani* (University of Southampton), A.I. Best (National Oceanography Centre), L.J. North (National Oceanography Centre) & T.A. Minshull (University of Southampton)
11:45	<b>Tu SBT4 08 - A New Model For Calculate Capillary Pressure And Relative Permeability In Reservoir Rocks Based On Pore Network Modeling -</b> J. Deylami* (Petroleum University of Technology), S.H. Mousavi (Petroleum University of Technology) & M.C. Poppelreiter (Shell)		<b>Tu SBT5 08 - An Investigation into the Non-Newtonian Behavior of Polymer Flow in Porous Medium -</b> S. Aghabozorgi Nafchi* (University of Tehran) & B. Rostami (University of Tehran)
12:10	Lunch		Lunch
<b>NEAR SURFACE - ENGINEERING GEOPHYSICS AND CHARACTERIZATION</b> <i>D.J. Orlovsky (DMT GmbH &amp; Co. KG)</i>		<b>SEISMIC MODELLING I</b> <i>A.K.T. Wever (Wintershall Noordzee BV) &amp; M.L. Vasmel (ETH Zurich)</i>	
13:30	<b>Tu SBT4 09 - Predicting the Geological Structure Ahead of a Tunnel Using Full Waveform Inversion - A Blind Test -</b> K. Musayev* (Ruhr-University Bochum), A. Lamert (Ruhr-University Bochum), K. Hackl (Ruhr-University Bochum), W. Friederich (Ruhr-University Bochum) & M. Baitsch (Bochum University of Applied Sciences)		<b>Tu SBT5 09 - Resonant Seismic Wave Interaction with Acoustic Cavities -</b> F.M. Schneider* (University of Vienna), S. Esterhazy (University of Vienna), I. Perugia (University of Vienna) & G. Bokelmann (University of Vienna)
13:55	<b>Tu SBT4 10 - Research on the Applicability of MASW to Detect a Near Vertical Fault in a Near Surface Synthetic Model of the Otway Pro -</b> B.N. Seive* (Curtin University)		<b>Tu SBT5 10 - Stiffness Reduction Method for Finite-element Scheme Elastic Wave Modelling in Heterogeneous Media - An Alternative to PML -</b> X.X. Huang* (China University of Petroleum (Beijing)), J.G. Zhao (China University of Petroleum (Beijing)), Y. Xu (China University of Petroleum (Beijing)), T. Long (China University of Petroleum (Beijing)), Q. Zhang (China University of Petroleum (Beijing)) & C.X. Liu (China University of Petroleum (Beijing))
14:20	<b>Tu SBT4 11 - About Data-driven Integration of Ill-posed Geophysical Tomography and Geotechnical Logging Data -</b> H. Paasche* (Helmholtz-Centre for Environmental Research- UFZ)		<b>Tu SBT5 11 - Optimized Staggered-grid FD Method for Elastic Wave Modeling Based on Elastic Plane Wave Solution -</b> P. Yong* (China University of Petroleum (East China)), J.P. Huang (China University of Petroleum (East China)), Z.C. Li (China University of Petroleum (East China)), L.P. Qu (China University of Petroleum (Beijing)) & Q.Y. Li (China University of Petroleum (East China))
14:45	<b>Tu SBT4 12 - Most Frequent Value Based Factor Analysis of Engineering Geophysical Sounding Logs -</b> N.P. Szabo* (MTA-ME Geoeng. Res. Group, Univ. of Miskolc) & G.P. Balogh (University of Miskolc)		<b>Tu SBT5 12 - A Strategy for Elastic Wave Simulation Based on Pseudo-analytical Operator Differencing -</b> Q. Zhao (China University of Petroleum), Q.Z. Du* (China University of Petroleum) & C.F. Guo (China University of Petroleum)
15:10	Break		Break
15:30	<b>Tu SBT4 13 - 3D Seismics and Isotopic Analysis Provides Constraints on the Origin of Methane in the Earths Deep Subsurface. -</b> M. Manzi* (University of the Witwatersrand), B. Sherwood Lollar (University of Toronto), T. Onstott (Princeton University) & E. van Heerden (University of Free State)		<b>Tu SBT5 13 - Lowrank Finite-difference Method for Elastic Wave Propagation -</b> Q.Z. Du* (China University of Petroleum), D. Han (China University of Petroleum) & S.A. Hou (China University of Petroleum)
15:55	<b>Tu SBT4 14 - Exploration of Deep Carbonate Aquifers by Magnetotellurics -</b> F. Sumanovac (University of Zagreb), J. Oreskovic* (University of Zagreb), S. Kolar (University of Zagreb) & N. Balasko (University of Zagreb)		<b>Tu SBT5 14 - Efficient Quasi-P Wavefield Extrapolation Using an Isotropic Lowrank Approximation -</b> Z. Zhang* (KAUST) & T. Alkhalifah (KAUST)
16:20	<b>Tu SBT4 15 - ERT and IPT Surveys to Check the Integrity of the Geomembrane in the Landfill of Bellolampo (Palermo, Italy) -</b> R. Martorana (University of Palermo), P. Capizzi (University of Palermo), A. D'Alessandro* (Istituto Nazionale di Geofisica e Vulcanologia) & D. Luzio (University of Palermo)		<b>Tu SBT5 15 - Application of Perturbation Theory for P-wave Eikonal Equation in Orthorhombic Media -</b> A. Stovas* (Norwegian University of Science and Technology), N. Masmoudi (KAUST, Saudi Arabia) & T. Alkhalifah (KAUST, Saudi Arabia)
16:45	<b>Tu SBT4 16 - Small Scale Conductivity Estimation Using DC Resistivity and Well Logs Data - Lalor Case Study -</b> A.B. Bouchedda* (INRS), S.T. Tirdad (INRS), E.G. Gloaguen (INRS) & B.G. Giroux (INRS)		<b>Tu SBT5 16 - Twin Wavefront Construction Approach to Simulation of Shear Waves in Transversely Isotropic Layered Media -</b> E. Iversen* (NORSAR) & T. Kaschwich (NORSAR)

## Oral presentations Tuesday 31 May

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	<b>Stolz 0</b>	<b>Stolz 1</b>
	<b>OPTIMIZING MARINE ACQUISITION DESIGN</b> <i>A.M. Ziolkowski (University of Edinburgh) &amp; W. Kimman</i>	<b>MULTIPLE ATTENUATION</b> <i>K.R. Nunn (NunnGeo Consulting Limited) &amp; H. Jakubowicz (Petronas Carigali Sdn Bhd)</i>
08:30	<b>Tu STZ0 01 - Optimising an Acquisition Design for Sub-salt Targets Using Full Wave Modelling</b> - R. Lencrerot* (Total), J. Colonge (Total) & F. Studer (Total)	<b>Tu STZ1 01 - An Extended Internal Multiple Removal Method Based on Inversion by Constructing Virtual Seismic Event</b> - X. Li (China University of Petroleum), J.H. Zhang (China University of Petroleum), W. Hu (China University of Petroleum), Q. Zhang* (China University of Petroleum) & J.L. Guo (Geophysical Research Institute of Shengli Oilfield)
08:55	<b>Tu STZ0 02 - 3D Anisotropic Elastic Wave Illumination and Target-oriented Visibility Analysis</b> - H.Y. Sun* (Jilin University), L.G. Han (Jilin University), T.Z. Zhang (Jilin University) & F.J. Zhang (Jilin University)	<b>Tu STZ1 02 - Interferometry near Offset Synthesizing for Shallow Water Demultiple</b> - M. Katou* (JGI, Inc.), S. Narahara (JGI, Inc.), M. Kose (Japan Petroleum Exploration Co., Ltd.) & T. Hamajima (Japan Petroleum Exploration Co., Ltd.)
09:20	<b>Tu STZ0 03 - Cooperating for Optimizing Seismic Acquisition - A Case Study in the Horda Tampen Area</b> - R. Laurain* (Statoil ASA), G. Pattison (Reservoir Imaging Ltd), T. Elboth (CGG) & J. Pollatos (Dolphin Geophysical)	<b>Tu STZ1 03 - Comparison of Matching Filters for Adaptive Multiple Subtraction - Lq-norm versus Statistical Independence</b> - Y.M. Batany* (MINES ParisTech and UNICAMP), L. Tomazeli Duarte (UNICAMP), D. Donno (MINES ParisTech), J.M. Travassos Romano (UNICAMP) & H. Chauris (MINES ParisTech)
09:45	<b>Tu STZ0 04 - Taking Ocean-bottom Seismic to the Next Level with Efficient Acquisition</b> - B. Lewis* (BP), J. Stone (BP), J. Northall (BP), C. Brooks (BP) & T. Manning (BP)	<b>Tu STZ1 04 - Demultiple of High Resolution P-cable Data in the Norwegian Barents Sea - An Iterative Approach</b> - A.J. Hardwick* (TGS), S. Jansen (TGS) & B. Kjøllhamar (TGS)
10:10	<b>Break</b>	<b>Break</b>
10:30	<b>Tu STZ0 05 - Results from a Recent Ocean Bottom Node Field Trial, in a Shallow Water and High Current Environment, Indonesia</b> - J.A. Stone (BP Indonesia), T. Manning (BP Indonesia), D. Priyambodo (BP Indonesia), D. Suryanto (BP Indonesia), P. Santoso (BP Indonesia) & T. Septyana* (BP Indonesia)	<b>Tu STZ1 05 - Shallow-water Free-surface Multiple Attenuation on Multimeasurement Data - A Case Study from the North Sea</b> - F. Xavier de Melo (Schlumberger), C.K. Kostov (Schlumberger) & A.C. Cooke* (Schlumberger)
10:55	<b>Tu STZ0 06 - Equivalent Offset Migration of Vertical Cable Seismic Data to Estimate the Velocity Model in Hydrothermal Deposits</b> - K. Tara* (University of Tokyo), E. Asakawa (J-MARES/JGI), F. Murakami (JGI), H. Tsukahara (JGI) & J. McIntyre (Primecast)	<b>Tu STZ1 06 - Looking beyond Surface Multiple Predictions - A Demultiple Workflow for the Culzean High Density OBC Survey</b> - S. Gupta (Schlumberger), A. Merry (Maersk Oil), L.P. Jensen (Maersk Oil), A. Clarke (Maersk Oil), R. Whitebread (Schlumberger), D. Rose (Schlumberger) & A. Dawson* (Schlumberger)
11:20	<b>Tu STZ0 07 - Towed Marine Dipole Source for Shear Wave Generation</b> - Y. Nagai* (IHI corporation), A. Tsuda (IHI corporation), H. Ozasa (IHI corporation), H. Hatanaka (IHI corporation), K. Tanaka (IHI corporation), M. Tagami (IHI corporation), F. Sato (IHI corporation), J. Takekawa (Kyoto University) & H. Mikada (Kyoto University)	<b>Tu STZ1 07 - Data-Driven 3D Demultiple for Complex, Irregular and Noisy Data</b> - M. Scholze* (DMT Petrologic GmbH), G. Hoecht (DMT Petrologic GmbH), T. Roth (DEA Deutsche Erdoel AG) & P. Birkhaeuser (Nagra)
11:45		<b>Tu STZ1 08 - Interbed Multiple Attenuation Using a Reflectivity Model from Well Logs</b> - A. Egreteau* (OMV Exploration & Production GmbH), F. Adouani (OMV Tunisia Production GmbH), G. Cantarella (OMV Tunisia Production GmbH), J. Friha (OMV), R. Lenczkowski (OMV Exploration & Production GmbH), M. Mnassri (OMV Tunisia Production GmbH), A. Noura (OMV Exploration & Production GmbH), J. Orosz (OMV Exploration & Production GmbH), E. Tyler (OMV Exploration & Production GmbH) & B. Ben Rejeb (ETAP)
12:10	<b>Lunch</b>	<b>Lunch</b>
	<b>SEISMIC ATTENUATION I</b> <i>M. Cavalca (Schlumberger) &amp; G. Quiroga-Goode (Universidad Autonoma de Tamaulipas)</i>	<b>AUTOMATED INTERPRETATION</b> <i>J. Soldo (YPF) &amp; L. Sonneland (Schlumberger)</i>
13:30	<b>Tu STZ0 09 - Connecting the Viscous Grain-shearing Mechanism of Wave Propagation in Marine Sediments to Fractional Calculus</b> - V. Pandey* (University of Oslo) & S. Holm (University of Oslo)	<b>Tu STZ1 09 - A New Edge Detection Method with an Excellent Anti-noise Property Based on High-dimensional Wavelet Transform</b> - Q.Z. Wang* (CNOOC Research Institute) & J.M. Zhang (CNOOC Research Institute)
13:55	<b>Tu STZ0 10 - Simultaneous Q and Velocity Model Building - Incorporating Attenuation to Enhance Model Resolution</b> - Z. Liu* (Petroleum Geo-Services), S. Brown (Petroleum Geo-Services), A. Valenciano (Petroleum Geo-Services) & N. Chemingui (Petroleum Geo-Services)	<b>Tu STZ1 10 - High Quality Horizon Mapping Using Clustering Algorithms</b> - A.M. Figueiredo* (Tecgraf / PUC-Rio), J.P. Peçanha (Tecgraf / PUC-Rio), G.M. Faustino (Tecgraf / PUC-Rio), P.M. Silva (Tecgraf / PUC-Rio) & M. Gattass (Tecgraf / PUC-Rio)
14:20	<b>Tu STZ0 11 - Stable and High-efficiency Attenuation Compensation in Reverse-time Migration</b> - Q.Q. Li* (China University of Petroleum (Beijing)), H. Zhou (China University of Petroleum (Beijing)), N.N. Du (State Grid Ri Zhao Power Supply Company), H.M. Chen (China University of Petroleum (Beijing)) & Y. An (China University of Petroleum (Beijing))	<b>Tu STZ1 11 - Thalweg Tracker - A Voxel-based Auto-tracker to Map Channels and Associated Margins</b> - M. Pelissier (Dagang Zhaodong Oil Company), C. Yu (Dagang Zhaodong Oil Company), R. Singh (dGB Earth Sciences), F. Qayyum (dGB Earth Sciences), P. de Groot* (dGB Earth Sciences) & V. Romanova (dGB Earth Sciences)
14:45	<b>Tu STZ0 12 - Application of Visco-acoustic Full Waveform Inversion for Gas Cloud Imaging and Velocity Model Building</b> - A. Stopin* (Shell Global Solutions International BV), R.E. Plessix (Shell Global Solutions International B.V.), H. Kuehl (Shell Global Solutions International B.V.), V. Goh (Shell Global Solutions International B.V.) & K. Overgaag (Shell Global Solutions International B.V.)	<b>Tu STZ1 12 - 3D Attributes and Classification of Salt Bodies on Unlabelled Datasets</b> - A.U. Waldeland* (University of Oslo) & A.H.S. Solberg (University of Oslo)
15:10	<b>Break</b>	<b>Break</b>
15:30	<b>Tu STZ0 13 - Scattering Attenuation from the Coal Seams (Copper Basin, Australia)</b> - R. Pevzner (Curtin University), B. Gurevich (Curtin University), K. Tertyshnikov* (Curtin University), A. Bóna (Curtin University) & S. Vlasov (Santos)	<b>Tu STZ1 13 - Innovative Approaches to Seismic Data Interpretation - Building Reliable Depositional Models of Fluvial Systems</b> - T.V. Olineva* (Gazpromneft NTC Ltd) & E.A. Zhukovskaya (Gazpromneft NTC Ltd)
15:55	<b>Tu STZ0 14 - The Effect of Frequency-dependent Reflection Coefficient on Seismic Attenuation Estimation</b> - Y.H. Tao* (China University of Petroleum-Beijing), S.X. Wang (China University of Petroleum-Beijing), J.N. Li (China University of Petroleum-Beijing), C.H. Dong (China University of Petroleum-Beijing), S.Y. Yuan (China University of Petroleum-Beijing) & G. Chen (China University of Petroleum-Beijing)	<b>Tu STZ1 14 - Interpreter-assisted Tracking of Subsurface Structures within Migrated Seismic Volumes Using Active Contour</b> - M.A. Shafiq* (Georgia Institute of Technology) & G. AlRegib (Georgia Institute of Technology)
16:20	<b>Tu STZ0 15 - QPSTM Method and Application in Daqing Saertu Oilfield</b> - C. Wang* (Petrochina Research Inst.of Daqing Oilfield (CNPC))	<b>Tu STZ1 15 - The Effect of Colour Blindness on Seismic Interpretation</b> - G. Paton* (GeoTeric)
16:45		<b>Tu STZ1 16 - A Noise Robust Approach for Delineating Subsurface Structures within Migrated Seismic Volumes</b> - M.A. Shafiq* (Georgia Institute of Technology) & G. AlRegib (Georgia Institute of Technology)

## Oral presentations Tuesday 31 May

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Stolz 2		Strauss 1	
<b>CARBONATE PETROPHYSICS</b> <i>M. Mutti (University of Potsdam) &amp; G. Tao (The Petroleum Institute)</i>		<b>EAGE FORUM - 'THE FUTURE OF THE OIL INDUSTRY IN LIGHT OF THE RECENT OIL PRICES'</b> <i>M. Mozetic (EVP Exploration, Repsol)</i>	
08:30	<b>Tu STZ2 01 - Wettability of Chalk and Argillaceous Sandstones Assessed from T1/T2 Ratio</b> - K. Katika* (Technical University of Denmark), M. Saidian (Colorado School of Mines) & I.L. Fabricius (Technical University of Denmark)	08:30 - 11:00	C. Powell (EVP Global Exploration, Shell) H. Meyer (VP Strategy, Wintershall) J.G. Malcor (CEO, CGG) T. Dodson (EVP Exploration, Statoil) L. Bertelli (Chief Exploration Officer, Eni)
08:55	<b>Tu STZ2 02 - Fracture and Vug Characterization and Carbonate Rock Classification in a Fractured-vuggy Carbonate Reservoir with CT</b> - F.W. Wang* (China University of Petroleum (Beijing)), W.G. Gao (China University of Petroleum (Beijing)), C.W. Wang (China University of Petroleum (Beijing)), Y.L. Li (China University of Petroleum (Beijing)) & J.C. Cai (China University of Geosciences (Wuhan))		
09:20	<b>Tu STZ2 03 - The Saturation Calculation of Carbonate Reservoirs Based on Modified Archie Formula</b> - S.S. Wei* (China University of Petroleum (Beijing)), J.S. Shen (China University of Petroleum (Beijing)), X.N. Li (China University of Petroleum (Beijing)), P.L. He (China University of Petroleum (Beijing)), Z.M. Zhu (China University of Petroleum (Beijing)) & P.C. Wang (China University of Petroleum (Beijing))		
09:45	<b>Tu STZ2 04 - Classification and Evaluation of Carbonate Reservoirs Based on the Pore Structure in M Oilfield of Iraq</b> - X.Y. Li* (CNOOC Research Institute), R.B. Qin (CNOOC Research Institute), X.M. Liu (CNOOC Research Institute), H.T. Ping (CNOOC Research Institute) & D. Wei (CNOOC Research Institute)		
10:10	Break		
10:30	<b>Tu STZ2 05 - Using Geophysical Well Logs to Estimate the Porosity System of Albian Carbonates of Campos Basin - Rio de Janeiro</b> - C. de Abreu* (UENF) & A.A. Carrasquilla (North Fluminense State University (UENF))		
10:55	<b>Tu STZ2 06 - Petrophysics and Petrography of Aptian Tight Carbonate Reservoir, Araripe Basin, NE Brazil</b> - T. Miranda* (Federal University of Pernambuco), J.A. Barbosa (Federal University of Pernambuco), I.F. Gomes (Federal University of Pernambuco), A. Soares (Federal University of Campina Grande), R.F.V.C. Santos (Federal University of Pernambuco), G.C. Matos (Petrobras), E.A. McKinnon (University of Texas at Austin), V.H.M.L. Neumann (Federal University of Pernambuco) & R.A. Marrett (University of Texas at Austin)		
11:20	<b>Tu STZ2 07 - Characterization of Carbonate Rocks' Porous Space Using X-ray Microtomography</b> - A. Duarte (UFCG), J. Soares (UFCG), L. Medeiros (Petrec), J. Silva* (Petroleum Research and Technology), L. Landau (UFRJ/COPPE), I. Borges (UFCG) & G. Raposo (UFRJ/COPPE)		
11:45	<b>Tu STZ2 08 - Characterization of Pore Geometry in Limestones Using X-ray Computed Microtomography</b> - Y. Ji (China Earthquake Administration, Beijing, China), P. Baud* (University of Strasbourg (EOST)) & T. Wong (Chinese University of Hong Kong)		
12:10	Lunch		Lunch
<b>PETROPHYSICS</b> <i>N. Gegenhuber (Montanuniversitaet Leoben) &amp; M. Parotidis (BG Group plc)</i>		<b>SEISMIC IMAGING - CASE STUDIES</b> <i>I.F. Jones (ION) &amp; D.I. Hill (WesternGeco)</i>	
13:30	<b>Tu STZ2 09 - Effective Inversion of Electromagnetic and Electric Logging Data from Vertical and Horizontal Oil and Gas Wells</b> - M.N. Nikitenko (IPGG SB RAS), C.V. Suhorukova (IPGG SB RAS, Novosibirsk State University), I.V. Mikhaylov* (IPGG SB RAS), V.N. Gliniskikh (IPGG SB RAS, Novosibirsk State University) & I.V. Surodina (IPGG SB RAS)		<b>Tu SRS1 09 - Valhall Case Study - Value of Seismic Technology for Reducing Risks in a Reactive Overburden</b> - N. Haller (BP Norge AS), R. Flateboe (BP Norge AS), C. Twallin (BP), V. Dahl-Eriksen (BP Norge AS), P. Heavey (BP Norge AS), E. Kjos (BP Norge AS), R. Milne (BP Norge AS) & W.E.A. Rietveld* (BP)
13:55	<b>Tu STZ2 10 - Experiment Investigation of Electrical Resistivity Response Characteristics for Gas-bearing Shale</b> - Y. Zhang* (China University of Petroleum), H. Jiang (China University of Petroleum) & Z. Ma (SINOPEC Geophysical Research Institute)		<b>Tu SRS1 10 - Interpretation-guided Image Enhancement Using RTM Vector Image Partitions</b> - R.G. Gu* (Schlumberger), O.Z. Zdraveva (Schlumberger), M.H. Hegazy (Schlumberger) & S.B. Buzzell (Schlumberger)
14:20	<b>Tu STZ2 11 - New Enhanced NMR Time Domain Inversion for Unconventionals</b> - G.A. Bordakov* (Schlumberger) & D.F. Allen (Schlumberger)		<b>Tu SRS1 11 - A Quantitative Approach to Reconcile Subsalt Images from Overlapping Surveys with Different Geometries</b> - L.P. Letki* (Schlumberger) & M. Vie (Schlumberger)
14:45	<b>Tu STZ2 12 - A Linear Integral Transform Method to Calculate Petro-physical Parameters from NMR Relaxation Data</b> - Y.J. Ding* (China University of Petroleum), R.H. Xie (China University of Petroleum), Y.L. Zou (China University of Petroleum), J.F. Guo (China University of Petroleum) & M. Liu (China University of Petroleum)		<b>Tu SRS1 12 - Improved Subsurface Imaging in Complex Volcanic Setting by Using Beamlet-decomposition-based Image Enhancement Methods</b> - C. Tyagi (Schlumberger Geosolutions United Kingdom), M.S. Matta* (Schlumberger Geosolutions United Kingdom), A. Menari (Schlumberger Geosolutions United Kingdom), B. Santos-luis (Total E&P United Kingdom), J. Dufour (Total E&P United Kingdom), M. Specht (Total E&P United Kingdom) & L. Ward (previously at Schlumberger Geosolutions United Kin)
15:10	Break		Break
15:30	<b>Tu STZ2 13 - Geosteering, Full Formation Evaluation Including Sw, Phit and K Using Surface Logging Advanced Gas Data</b> - F.J. Bataller* (Repsol E&P), V.H. Goitia (Repsol E&P) & G. Beda (Repsol E&P)		<b>Tu SRS1 13 - Enhanced Subsurface Illumination of Shallow Bright Spots with Separated Wavefield Imaging</b> - S. Naumann* (PGS), G. Ronholt (PGS), S. Marinets (PGS), E.O. Brenne (Statoil) & M.F. Abbasi (Statoil)
15:55	<b>Tu STZ2 14 - The Significant Impact of Pore Texture on the Pattern of J-function - Feasibility of J-function in Geological Modeling</b> - Y. Liu* (BGP CNPC), X.Y. Wang (BGP CNPC), J.L. Li (BGP CNPC), Z.C. Tang (BGP CNPC) & Q. Li (BGP CNPC)		<b>Tu SRS1 14 - Third Time Lucky? Imaging the Dentale Formation Offshore Gabon</b> - A. Pavlov (ION), J. Fruehn (ION), M. Sugrue (ION), B. Cox (Monarch Geophysical), J. Price (Harvest Natural Resources) & I.F. Jones* (ION)
16:20	<b>Tu STZ2 15 - Improved Formation Evaluation Through Principal Component Analysis</b> - B.M. Niculescu (University of Bucharest), G. Andrei* (University of Bucharest) & C. Ciuperca (Weatherford International)		<b>Tu SRS1 15 - A New Depth Imaging Workflow for a Continuous Line Acquisition Survey in the North Sea</b> - M. Yanez (Schlumberger), S. Joyce (Schlumberger), P.J. Whitfield (Schlumberger), N. Hall (Hansa Hydrocarbons), N. Jones (Consultant) & C. Cunnell* (WesternGeco)
16:45	<b>Tu STZ2 16 - Revisiting Supervised Learning in the Context of Predicting Gas Hydrate Saturation</b> - D. Bhowmick* (Centre for Mine Planning and Design Institute, CIL), U. Shankar (National Geophysical Research Institute) & S. Maiti (Indian School of Mines)		

## Oral presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Strauss 2		Strauss 3	
<b>FULL WAVEFORM INVERSION I - VISCOUS EFFECTS AND CASE STUDIES</b> <i>F.B. Bleibinhaus (Montanuniversität Leoben)</i>		<b>BROADBAND DATA - PROCESSING AND INVERSION</b> <i>S. Rentsch (Schlumberger)</i>	
08:30	<b>Tu SRS2 01 - Visco-elastic Controlled-source Full Waveform Inversion without Surface Waves</b> - M.P. Paschke* (Friedrich Schiller University Jena), M.K. Krause (Friedrich Schiller University Jena) & F.B. Bleibinhaus (Montanuniversität Leoben)	<b>Tu SRS3 01 - Seismic Acquisition with Dispersed Source Arrays - Imaging Including Internal Multiples and Source Ghost Reflections</b> - M. Caporal* (Delft University of Technology) & G. Blacquièrè (Delft University of Technology)	
08:55	<b>Tu SRS2 02 - Velocity and Inverse-Q Inversion by Waveform Tomography</b> - F. Gao (Imperial College London/at China University of Geosciences (Beijing)) & Y. Wang* (Imperial College London)	<b>Tu SRS3 02 - Data Reconstruction and Denoising of Different Wavefield Components Using Green's Theorem</b> - N. Kazemi* (University of Alberta) & A.C. Ramirez (Statoil)	
09:20	<b>Tu SRS2 03 - The Adjoint State Method for the Viscoelastic Wave Equation in the Velocity-stress Formulation</b> - G. Fabien-Ouellet* (INRS-ETE), E. Gloaguen (INRS-ETE) & B. Giroux (INRS-ETE)	<b>Tu SRS3 03 - On Broadband Data and Rough Sea Surface Receiver Deghosting</b> - E.G. Asgedom* (PGS Geophysical AS), O.C. Orji (PGS Geophysical AS), T. Klüver (PGS Geophysical AS), H. Tabti (PGS Geophysical AS) & W. Söllner (PGS Geophysical AS)	
09:45	<b>Tu SRS2 04 - Visco-acoustic Full Waveform Inversion</b> - R.E. Plessix* (Shell Global Solutions International BV), A. Stopin (Shell Global Solutions International BV), H. Kuehl (Shell Global Solutions International, USA), V. Goh (Shell Global Solutions International, Malaysia) & K. Overgaag (Shell Global Solutions International, Malaysia)	<b>Tu SRS3 04 - From Multicomponent Broadband Seismic Acquisition, Imaging to 4D Processing - Potential Improvement of Seismic Interpretation</b> - A. Fahimuddin* (Statoil ASA), M. Wierzchowska (PGS), J. Dittmer (PGS), J. Oukili (PGS) & J. Synnevåg (PGS)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>Tu SRS2 05 - Multi-parameter Viscoelastic Full Waveform Inversion of Cross-well Seismic Data</b> - M. Charara* (Skolkovo Institute of Science and Technology) & C. Barnes (Université de Cergy-Pontoise)	<b>Tu SRS3 05 - Structurally Conformal Resolution Enhancement with Joint Sparse Inversion</b> - C. Peng* (CGG), B. Bai (CGG), Y. Liu (CGG) & Z. Fu (CGG)	
10:55	<b>Tu SRS2 06 - Full-waveform Inversion for High-resolution Velocity Model Building Offshore Trinidad</b> - C.P. Parekh (Schlumberger) & O.J. Lewis* (Schlumberger)	<b>Tu SRS3 06 - Wavelet Estimation for Broadband Seismic Data</b> - E. Zabih Naeini* (Ikon Science), J. Gunning (CSIRO), R. White (Birkbeck University of London) & P. Spaans (Woodside)	
11:20	<b>Tu SRS2 07 - A Full-waveform Inversion Case Study from Offshore Gabon</b> - A. Privitera (CGG), A. Ratcliffe* (CGG) & N. Kotova (CGG)	<b>Tu SRS3 07 - Ultra-low Frequency Phase Assessment for Broadband Data</b> - F. Yang* (CGG), R. Sablon (CGG) & R. Soubaras (CGG)	
11:45	<b>Tu SRS2 08 - 3D Elastic Full Waveform Inversion - On Land Study case</b> - J.A. Kormann* (Barcelona Supercomputing Center), D. Marti (Institute of Earth Sciences Jaume Almera), J.E. Rodriguez (Barcelona Supercomputing Center), I. Marzan (Institute of Earth Sciences Jaume Almera), N. Gutierrez (Barcelona Supercomputing Center), M. Ferrer (Barcelona Supercomputing Center), M. Hanzich (Barcelona Supercomputing Center), J. de la Puente (Barcelona Supercomputing Center), R. Carbonell (Institute of Earth Sciences Jaume Almera), J.M. Cela (Barcelona Supercomputing Center) & S. Fernandez (REPSOL)	<b>Tu SRS3 08 - Closing the Low Frequency Gap for Reservoir Characterisation - A Multimeasurement Towed-streamer Case Study</b> - M. Paydayesh* (WesternGeco), C. Cunnell (WesternGeco) & S. Gupta (WesternGeco)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>IMAGING PARAMETER ESTIMATION</b> <i>D. Lokshitanov (Statoil ASA) &amp; P.R. Williamson (Total)</i>		<b>AVO-AVA - THEORY I</b> <i>T. Dahl (Statoil ASA) &amp; B.J. Paternoster (Total E&amp;P UK Limited)</i>	
13:30	<b>Tu SRS2 09 - Quadratic Form Tomography for Tilted Orthorhombic Media</b> - S.M. Kainkaryam (Schlumberger), M. Decker (Schlumberger), D. Nichols* (Schlumberger) & J. Mathewson (Schlumberger)	<b>Tu SRS3 09 - Global Optimization for AVO Inversion - A Genetic Algorithm Using a Table-based Ray-theory Algorithm</b> - W.C. Ferreira* (DEP/FEM/UNICAMP and INCT-GP), F.J. Hiltermann (Geokinetics Inc.), L.A. Diogo (IAG - Universidade de São Paulo), H.B. Santos (CEP/UNICAMP and INCT-GP), J. Schleicher (DMA/IMECC/UNICAMP and INCT-GP) & A. Novais (DMA/IMECC/UNICAMP and INCT-GP)	
13:55	<b>Tu SRS2 10 - Utilizing Diffractions in Wavefront-based Tomography</b> - A. Bauer* (University of Hamburg), B. Schwarz (University of Hamburg), M. Lotze (University of Hamburg), T. Werner (University of Hamburg) & D. Gajewski (University of Hamburg)	<b>Tu SRS3 10 - Parameterisation for Reservoir Oriented AVO Inversion</b> - A. Gisolf* (Delft Inversion)	
14:20	<b>Tu SRS2 11 - Anisotropy Signature in P-wave Extended Images for VTI Media</b> - V. Li (Colorado School of Mines), I. Tsvankin* (Colorado School of Mines) & T. Alkhalifah (KAUST)	<b>Tu SRS3 11 - Seismic AVO Inversion with Geological Constraints</b> - J. Liu* (Imperial College London), Y. Xu (Imperial College London) & Y. Wang (Imperial College London)	
14:45	<b>Tu SRS2 12 - Target Oriented Velocity Analysis with Marchenko Redatumed Data</b> - C. Mildner* (ETH Zurich), F. Brogini (ETH Zurich) & J.O.A. Robertsson (ETH Zurich)	<b>Tu SRS3 12 - Multipoint Statistics in Joint Facies and Elastic Bayesian AVO Inversion</b> - J.S. Gunning* (CSIRO)	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>Tu SRS2 13 - From Migration to Inversion Velocity Analysis - Impact on the Shape of the Gradient</b> - H. Chauris* (Mines ParisTech) & C.A. Lameloise (Mines ParisTech)	<b>Tu SRS3 13 - AVAZ Inversion of Vertical Fracture Intensity for OA Media</b> - Y.W. Liu* (Sinopec), N. Dong (Sinopec), X.W. Liu (Sinopec), Y.Q. Chen (Sinopec) & Y.Y. Zhang (Sinopec)	
15:55	<b>Tu SRS2 14 - Joint Migration Inversion for Laterally Varying Media</b> - H.I. Hammad* (Delft University of Technology) & D.J. Verschuur (Delft University of Technology)	<b>Tu SRS3 14 - Application of Elastic Impedance to Model Based Inversion Data Using a Revised Formulation</b> - A. Fogg* (Seismic Image Processing Ltd)	
16:20	<b>Tu SRS2 15 - High Resolution, Super Efficient Wide Azimuth Beam Tomography for Velocity Model Building</b> - A.M. Popovici* (Z-Terra Inc.), N. Tanushev (Z-Terra Inc.) & S. Hardesty (Z-Terra Inc.)	<b>Tu SRS3 15 - Poroelastic Analysis of AVO Attributes - Effects of Inhomogeneous Rock Properties Based on Rock Physics Model</b> - S. Zhang* (China University of Petroleum (Beijing)), S. Chen (China University of Petroleum (Beijing)) & X.Y. Li (China U of Petroleum, British Geological Survey)	
16:45		<b>Tu SRS3 16 - Improvement of Gas Reservoir Detection from AVO Analysis in Time-frequency Domain</b> - A. Nikoo* (Shahrood University of Technology), A. Roshandelkahoo (Shahrood University of Technology), H. Hassanpour (Shahrood University of Technology) & H. Saadatnia (NIOC)	



## e-Poster presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

e-Posters 1		e-Posters 2	
<b>POTENTIAL FIELD METHODS CASE STUDIES</b> <i>L. Cascone (Repsol) &amp; G. Florio (University of Naples Federico II)</i>		<b>RESERVOIR CHARACTERIZATION USING SEISMIC</b> <i>O.I. Barkved (Petoro AS) &amp; H. Klemm (Maersk Oil)</i>	
08:30	<b>Tu P1 01 - 3D Modeling of the Regional Basement Structure Off- and Onshore Congo Based on Inversion of Satellite-derived Gravity Data</b> - M. Behm* (OMV), P. Gay (OMV) & P. Dzido (OMV)	<b>Tu P2 01 - The Comparison between Full-stack Data and Pure P-wave Data on Deeply Buried Ordovician Paleokarst Reservoir Prediction</b> - Y. Zhang* (PEPRIS, Sinopec, China), Z. Jin (PEPRIS, Sinopec, China), Z. Sun (China University of Petroleum-Beijing), N. Dong (PEPRIS, Sinopec, China), Y. Chen (PEPRIS, Sinopec, China) & X. Liu (PEPRIS, Sinopec, China)	
08:55	<b>Tu P1 02 - Applying Magnetic Magnitude Transforms to Aid Structural Mapping in Areas Where the RTP Calculation Is Unreliable</b> - S. Cheyney* (Getech), C.M. Green (Getech; University of Leeds), S.J. Campbell (Getech) & D. de Lerma (Getech)	<b>Tu P2 02 - Flow Detection Using Well Seismic Data</b> - J.L.O. Mari* (IFP Energies Nouvelles) & G. Porel (CNRS IC2MP UMR 7285 Université Poitiers)	
09:20	<b>Tu P1 03 - Noise Rejection in Processing of Magnetic Data - 2D Fourier Transformation Treated as an Inverse Problem</b> - H. Szegedi (University of Miskolc), A. Kiss* (University of Miskolc), M. Dobroka (University of Miskolc) & A. Gyulai (University of Miskolc)	<b>Tu P2 03 - Well Controlling Multi-trace Seismic Deconvolution Technology</b> - L. Shi* (Sinopec), J.Z. Liu (Pepris of Sinopec), N. Dong (Pepris of Sinopec) & H.M. Xia (Pepris of Sinopec)	
09:45	<b>Tu P1 04 - Approximate CRUST1.0 Model-based and Space-domain Calculated Gravitational Effect of the Earth Crust</b> - J. Mikuška* (G-trend Ltd), I. Marušiak (G-trend, Ltd.), P. Zahorec (Earth Science Institute, Slovak Academy of Science), J. Papčo (Slovak University of Technology) & R. Pašteka (Comenius University)	<b>Tu P2 04 - Multi-scale Fracture Prediction Using P-wave Data - A Case Study</b> - W.L. Zhang* (China University of Petroleum), S.Q. Chen (China University of Petroleum), J. Wang (GERI, Huabei Oilfield, Petrochina), J. Liu (GERI, Huabei Oilfield, Petrochina), L.B. Zeng (China University of Petroleum) & X.Y. Li (EAP, British Geophysical Survey)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>Tu P1 05 - Applications of the Fractional Order Analytic Signal amplitude and Local Wavenumber</b> - G.R.J. Cooper* (University of the Witwatersrand)	<b>Tu P2 05 - Karst Carbonate Reservoir Identification Using Frequency-dependent AVO Inversion in Tarim Basin, China</b> - S.Z. Sun (China University of Petroleum, Beijing), X.T. Yue* (China University of Petroleum, Beijing), L.F. Liu (China University of Petroleum, Beijing) & T. Du (China University of Petroleum, Beijing)	
10:55	<b>Tu P1 06 - 3D Inversion - of Gravity Gradient Data Based on Cokriging to Identify the Dip Angle of a Dipping Dike Model</b> - X. Gao (Jilin University), D. Huang (Jilin University), S. Sun (Jilin University), S. Zhou (Jilin University), Z. Qiao (Jilin University), W. Zhou (Jilin University) & Y. Qi* (Jilin University)	<b>Tu P2 06 - Seismic Facies Characterization of the Realgrunnen Subgroup in the Wider Hoop Area, Barents Sea</b> - W. Athmer* (Schlumberger), M. Etchebes (Schlumberger), E. Stueland (OMV), S.C. Robertson (OMV), H.G. Borgos (Schlumberger), B.A. Tjostheim (Schlumberger), L. Sonneland (Schlumberger) & J.R. Granli (OMV)	
11:20	<b>Tu P1 07 - Identification the Basin Structure Using FHD and SVD - The Case Study in North East Java Basin</b> - F.H. Hisyam* (Brawijaya University), Q.D.T.F. Fiandani (Brawijaya University) & Z.F. Zuhrotul Firdaus (Brawijaya University)	<b>Tu P2 07 - High Precise Time-frequency Analysis Technology in Hydrocarbon Detection of the Ultra-deep Carbonate Rocks in Tarimbasin</b> - Q.N. Dang* (PetroChina)	
11:45		<b>Tu P2 08 - Influence of Seismic and Velocity Uncertainties on Reservoir Volume</b> - D.T. Odinson* (University of Stavanger), N. Cardozo (University of Stavanger) & L. Schulte (Schlumberger SIS)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>FULL WAVEFORM INVERSION (A)</b> <i>R. Kamei (University of Western Australia) &amp; R. Brossier (Universite Joseph Fourier)</i>		<b>WELL PERFORMANCE OPTIMIZATION AND FLOW ASSURANCE</b> <i>H. Hamdi (University of Calgary)</i>	
13:30	<b>Tu P1 09 - Robust Time-domain Migration Velocity Analysis Methods for Initial-model Building in a Full Waveform Tomography Workflow</b> - H.B. Santos* (CEP/UNICAMP and INCT-GP), J. Schleicher (DMA/IMECC/UNICAMP and INCT-GP), A. Novais (DMA/IMECC/UNICAMP and INCT-GP), A. Kurzmann (Karlsruhe Institute of Technology) & T. Bohlen (Karlsruhe Institute of Technology)	<b>Tu P2 09 - Altering the Relaxation Modulus of Crude Oil Using Pulsated Magnetic Field</b> - D. Pandey* (University of Petroleum & Energy Studies)	
13:55	<b>Tu P1 10 - Hybrid Super Memory Gradient Method Full Waveform Inversion</b> - Y. Hu (Jilin University), L.G. Han (Jilin University), P. Zhang* (Jilin University), L. Bai (Jilin University) & T.Z. Zhang (Jilin University)	<b>Tu P2 10 - Numerical Study of Thermohydrodynamic Processes in Inclined Wells with Variable Trajectory</b> - R.F. Sharafutdinov* (Bashkir State University), R.A. Valiullin (Bashkir State University, NPF Geotec), A.S. Ramazanov (Bashkir State University), A. Sharipov (Bashkir State University) & T.R. Khabirov (Bashkir State University)	
14:20	<b>Tu P1 11 - Frequency Domain FWI with Angle Domain Wavenumber Filter Using Local Slant Stacking</b> - J.R. Luo* (Xi'an University of Technology/University of California at Santa Cruz) & X.B. Xie (University of California at Santa Cruz)	<b>Tu P2 11 - A New Correlation for Prediction of Critical Two-phase Flow through Wellhead Chokes</b> - H.R. Nasriani* (University of Central Lancashire), M. MoradiDowlatabad (Heriot-Watt University) & A. Kalantariasl (The University of Adelaide)	
14:45	<b>Tu P1 12 - Multi-scale Frequency-domain Elastic Full Waveform Inversion Based on Dual-level Parallelism</b> - Y. Li* (China University of Petroleum), Z. Li (China University of Petroleum) & K. Zhang (China University of Petroleum)	<b>Tu P2 12 - Case Study of Asphaltene Flow Assurance Risk Mitigation - Emerging Numerical Model to Evaluate Inhibitor Efficiency</b> - H. Yonebayashi* (INPEX)	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>Tu P1 13 - An Optimized Correlation-based Full Waveform Inversion</b> - Y. Choi* (King Abdullah University of Science & Technology) & T. Alkhalifah (King Abdullah University of Science & Technology)	<b>Tu P2 13 - Dual and Intelligent Completions Optimize Producing Gas Wells</b> - M. Boussa* (Sonatrach)	
15:55	<b>Tu P1 14 - Wavelet Filter Based Low-frequency Data Reconstruction for Time Domain Full Waveform Inversion</b> - P. Zhang* (Jilin University), L.G. Han (Jilin University), F.J. Zhang (Jilin University) & Y. Zhou (Jilin University)	<b>Tu P2 14 - Acid Matrix Stimulation to Reveal Formation Damage in Greater Burgan Oilfield Clastic Reservoir</b> - B.S. Alshammari* (Kuwait Oil Company), N.M. Rane (Kuwait Oil Company), D.S. Almatar (Kuwait Oil Company) & A.K. Alrabah (Kuwait Oil Company)	
16:20	<b>Tu P1 15 - Hybrid Frequency Domain Full Waveform Inversion Using Born Sensitivity Kernels</b> - R. Djebbi* (King Abdullah University of Science and Technology) & T. Alkhalifah (King Abdullah University of Science and Technology)	<b>Tu P2 15 - Development of a Comprehensive Well Performance Assessment in a Giant Gas Condensate Field</b> - M. Sheydaemehr* (Petroleum University of Technology), S. Dowlati (University of Tehran) & M. Pasdar (Research Institute of Petroleum Industry)	
16:45	<b>Tu P1 16 - Multiscale Adaptive Full Waveform Inversion Based on the Wavelet Transform</b> - L. Bai (Jilin University), L.G. Han (Jilin University), F.J. Zhang* (Jilin University/Uppsala University), P. Zhang (Jilin University) & Y. Hu (Jilin University)	<b>Tu P2 16 - Parametric Study of Condensate Bank Development and Well Productivity Loss in Gas Condensate Wells</b> - A. Sheikhouaghghi* (University of Tehran), M. Ghoroori (Pars Petro Zagros (PPZ)) & M. Rasaei (University of Tehran)	



## e-Poster presentations Tuesday 31 May

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e-Posters 3		e-Posters 4	
<b>NEAR SURFACE - WATER, HAZARDS, MINING</b> <i>A. Malehmir (Uppsala University) &amp; T.H. Asch</i>		<b>VSP AND BOREHOLE GEOPHYSICS</b> <i>C. Lange (Wintershall Holding GmbH) &amp; R. Pevzner (Curtin University of Technology)</i>	
08:30	<b>Tu P3 01 - Porosity Calculation of Horizontal Wells when Acoustic Slowness Is Abnormal - A Case Study in Northern Ordos Basin, China</b> - K.S. Li* (China University of Petroleum(Beijing)), J. Gao (CUP(Beijing)), H. Li (Sinopec Research Institute of Petro Exploration), H.F. Sun (CUP(Beijing)), W. Su (CUP(Beijing)) & X. Yang (CUP(Beijing))	<b>Tu P4 01 - Is There Value in Highly Spatially Sampled Zero-offset Vertical Seismic Profiles?</b> - T. Dean (Schlumberger Oilfield UK), M. Clark (Schlumberger), T. Cuny* (Schlumberger) & J. Puech (Schlumberger)	
08:55	<b>Tu P3 02 - Geophysical Characterization of Landslides in Serbia and Bosnia and Hercegovina – A GWB Project</b> - M. Urosevic* (Curtin University of Technology), S. Komatina (AGES), M. Burazer (NIS), K. Suto (Terra Australis Geophysica), S. Arsenovic (CTU-IPKIN d.o.o.), D. Milosevic (Geoging Group), S. Ziramov (Curtin University of Technology) & F. Coren (OGS)	<b>Tu P4 02 - Traveltime Inversion of 3D or Multi-azimuthal Walkaway VSP Data for a Model with Dipping Tilted Orthorhombic Layers</b> - E. Blas* (Baker Hughes)	
09:20	<b>Tu P3 03 - Euler Deconvolution of the Analytic Signals of Gravity Gradient Tensor for Underground Horizontal Pipeline</b> - Q. Pan* (China University of Petroleum, Beijing), D.J. Liu (China University of Petroleum, Beijing), M. Geng (China University of Petroleum, Beijing), X. Cheng (China University of Petroleum, Beijing) & X. Wang (China University of Petroleum, Beijing)	<b>Tu P4 03 - Vertical Seismic Profiling (VSP) Survey Optimization for Imaging Fracture Zones over Geothermal Areas</b> - F. Reiser* (ETH Zurich), C. Schmelzbach (ETH Zurich), H. Maurer (ETH Zurich) & S. Greenhalgh (ETH Zurich)	
09:45	<b>Tu P3 04 - Application of In-mine Geoelectric Methods for Detecting Tectonic Disturbances of the Coal Seam Structure</b> - A. Gyulai (University of Miskolc), T. Ormos (University of Miskolc), M. Dobroka* (University of Miskolc) & J. Somogyi Molnár (University of Miskolc)	<b>Tu P4 04 - Reduction of Fault Uncertainties Using Vertical Seismic Profiling Data</b> - M. Irakarama* (RING-GeoResources, Université de Lorraine), P. Cupillard (RING-GeoResources, Université de Lorraine) & G. Caumon (RING-GeoResources, Université de Lorraine)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>Tu P3 05 - Near-surface Seismic Interpretation to Reduce the Loss of Water Resources</b> - O.K. Tiapkin (Institute for Nature Management Problems & Ecology), S.A. Onyshchenko (Joint-stock company "Zapprikaspiygeofizika") & I. Mendrii* (National Miming University of Ukraine)	<b>Tu P4 05 - Target-oriented Imaging Using Active and Passive Interferometry</b> - M. Karrenbach* (OptaSense) & S. Cole (OptaSense)	
10:55	<b>Tu P3 06 - Analysis of Selected Aromatic Hydrocarbons from Drinking Water and Natural Water Potentially Affected by Shale Gas Production</b> - A.-M. Tugulea* (Health Canada), J. Hnatiw (Health Canada), C. Kubwabo (Health Canada), R. Charon (Health Canada) & R. Strathern (Health Canada)	<b>Tu P4 06 - Auto-estimation of Up-down Wavefields in a Horizontal Borehole using Single Component Data</b> - Y. Liu* (Norwegian University of Science & Technology), B. Arntsen (Norwegian University of Science & Technology), J. van der Neut (Delft University of Technology) & K. Wapenaar (Delft University of Technology)	
11:20	<b>Tu P3 07 - Comparative Evaluation of Ground Water Storage Using GRACE-GPS Data in Highly Urbanized Region in Uttar Pradesh, India</b> - S Arora* (Indian School of Mines) & P.K.R. Gautam (Wadia Institute of Himalayan Geology)	<b>Tu P4 07 - The Effects of Pulse Width on Fibre-optic Distributed Vibration Sensing Data</b> - T. Dean (Schlumberger Oilfield UK), A. Hartog (Schlumberger), T. Cuny* (Schlumberger) & F. English (Schlumberger)	
11:45	<b>Tu P3 08 - Comparison of Microtremor and Electrical Resistivity in Detecting Sliding Surface</b> - M. Kazemnia Kakhki (LAMEMO/Federal University of Rio de Janeiro), W. Joao Mansur (LAMEMO/Federal University of Rio de Janeiro) & B. Bamani* (LAMEMO/Federal University of Rio de Janeiro)	<b>Tu P4 08 - The Use of Multi-frequency Acquisition to Significantly Improve the Quality of Fibre-optic Distributed Vibration Sensing</b> - A. Hartog (Schlumberger), L.B. Liokumovich (Peter the Great St. Petersburg Polytechnic Uni), N.A. Ushakov (Peter the Great St. Petersburg Polytechnic Uni), O.I. Kotov (Peter the Great St. Petersburg Polytechnic Uni), T. Dean (Schlumberger Oilfield UK), T. Cuny* (Schlumberger) & A. Constantinou (Schlumberger)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>ROCK PHYSICS (A)</b> <i>B. Dupuy (SINTEF Petroleum Research)</i>		<b>SEISMIC NOISE AND MULTIPLE ATTENUATION</b> <i>T. Martin (Petroleum Geo-Services) &amp; A. Al-Mustafa (Saudi Aramco)</i>	
13:30	<b>Tu P3 09 - A Link between the Pressure Dependency of Elastic and Electrical Properties of Porous Rocks</b> - T. Han (CSIRO), B. Gurevich (CSIRO & Curtin University), M. Pervukhina* (CSIRO) & M.B. Clennell (CSIRO)	<b>Tu P4 09 - Adaptive Multiple Subtraction Based on 3D Pattern Coding</b> - J.L. Liu (Tsinghua university, Beijing, China), W.K. Lu (Tsinghua University, Beijing, China) & B.F. Wang* (Tsinghua University)	
13:55	<b>Tu P3 10 - Application of Fine Rock Physical Modeling Techniques in High-quality Reservoir Prediction of Glutenite</b> - B.L. Yu* (BGP,CNPC), X.H. Zhao (BGP,CNPC), Y. Deng (BGP,CNPC), X.L. Cao (BGP,CNPC) & H. Chen (BGP,CNPC)	<b>Tu P4 10 - Unified Suppression of Surface-related Multiple and Ghost in Local Plane Wave Domain</b> - W.Q. Sun* (Tongji University) & H.Z. Wang (Tongji University)	
14:20	<b>Tu P3 11 - Capillary Pressure as a Source for Brie's Fluid Mixing Law</b> - G. Papageorgiou* (University of Edinburgh), K. Amalokwu (National Oceanography Centre) & M. Chapman (University of Edinburgh)	<b>Tu P4 11 - Breakthrough of Internal Multiple Attenuation with XIMP Technology in Tarim Basin</b> - R. Li (Schlumberger China, SA), P. Wang (Schlumberger China, SA), M. Chen (Petrochina Tarim Oilfield Company), L.L. Luo (Petrochina Tarim Oilfield Company), Y.F. Cui (Petrochina Tarim Oilfield Company) & A. Dawson* (Schlumberger Geosolutions Gatwick)	
14:45	<b>Tu P3 12 - Study on Anisotropy Affection Factors of Longmaxi Formation Shale</b> - F. Zhou* (SINOPEC Geophysical Research Institute), W.H. Liu (SINOPEC Geophysical Research Institute) & X. Xi (SINOPEC Geophysical Research Institute)	<b>Tu P4 12 - Apex-shifted Sparse Parabolic Radon Transform in Mixed Frequency-time Domain with Alternating Split Bregman Algorithm</b> - Z.X. Li* (China University of Petroleum (East China)) & Z.C. Li (China University of Petroleum (East China))	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>Tu P3 13 - A Decoupling Approach for Differential Equivalent Equations Based on Linear Approximation</b> - L. Tian* (CNOOC), S.B. Hua (China University of Petroleum) & X.Y. Yin (China University of Petroleum)	<b>Tu P4 13 - Random Noise Attenuation by Learning-type Overcomplete Dictionary Based on K-singular Value Decomposition Algorithm</b> - C.X. Yu (Jilin University), L.G. Han (Jilin University), D.X. Xu (Jilin University) & H.Y. Sun* (Jilin University)	
15:55	<b>Tu P3 14 - An Experimental Evidence of the Squirt-flow Effect in Glycerol-saturated Berea Sandstone at Seismic Frequencies</b> - V. Mikhailsevitch* (Curtin University), M. Lebedev (Curtin University) & B. Gurevich (Curtin University)	<b>Tu P4 14 - Seismic In the Arctic - Suppressing Seismic Noise Due to Vibrating Ice</b> - K. Jensen* (University of Bergen), B.O. Ruud (University of Bergen), T.A. Johansen (University of Bergen) & M. Landschulze (University of Bergen)	
16:20	<b>Tu P3 15 - Low-frequency Seismic Reflection from a Fractured Layer</b> - A.G. Krylova* (University of Houston) & G.M. Goloshubin (University of Houston)	<b>Tu P4 15 - Noise Attenuation of Seismic Data Using Anisotropic Diffusion Method</b> - Y. Moradi Chaleshtori* (Dana Geophysics Company), A. Kiani (Dana Energy) & K. Najafzadeh (Dana Geophysics Company)	
16:45	<b>Tu P3 16 - Laser Doppler Interferometer Waveform Enhancement Using a Space-varying Median Filter along the Structural Direction</b> - J.Y. Xie* (China University of Petroleum(Beijing)), B.R. Di (China University of Petroleum(Beijing)), J.X. Wei (China University of Petroleum(Beijing)), C.N. Liu (China University of Petroleum(Beijing)), Y.K. Chen (University of Texas at Austin) & S.W. Gan (China University of Petroleum(Beijing))	<b>Tu P4 16 - Targeted Noise Attenuation - A Method to Suppress High Amplitude Noise in Seismic Data</b> - H. Alee Daneshvar* (Harrington Geophysics Company), M. Emami Niri (University of Tehran & Dana Energy Company) & Y. Moradi Chaleshtori (Dana Energy Company)	

## e-Poster presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

e-Posters 5		e-Posters 6	
<b>EXPLORATION PLAYS AND PROSPECT EVALUATION</b> <i>J.H. Hake (Shell International Exploration &amp; Production BV) &amp; A. Sanden (Delft University of Technology)</i>		<b>AVO-AVA THEORY (A)</b> <i>J. Khazanedari (Schlumberger)</i>	
08:30	<b>Tu P5 01 - A Case Study on Multiple Stratigraphic Reservoirs Related with Weathered Granite Buried-hill - X.M. Lyu* (RIPED-NWGI, PetroChina), L. Yang (RIPED-NWGI, PetroChina), R.H. Wang (RIPED-NWGI, PetroChina), W.H. Guo (RIPED-NWGI, PetroChina), Q.F. Han (RIPED-NWGI, PetroChina) &amp; Z.C. Li (RIPED-NWGI, PetroChina)</b>	<b>Tu P6 01 - The Importance of Locally Converted Shear Waves in the Thin Layers AVO Response - A Physical Modeling Study - C. A. Martins de Assis* (North Fluminense State University-UENF), S.A.M. Oliveira (North Fluminense State University-UENF), R.M. Missagia (North Fluminense State University-UENF) &amp; M.A.R. Ceia (North Fluminense State University-UENF)</b>	
08:55	<b>Tu P5 02 - Dynamic Field Division of Hydrocarbon Migration - Accumulation in Dongpu Depression, Bohai Bay Basin, China - Z.H. Pan* (China University of Petroleum), X.Q. Pang (China University of Petroleum), T. Hu (China University of Petroleum) &amp; L. Tang (China University of Petroleum)</b>	<b>Tu P6 02 - Joint PP-PS Inversion Based on The Reflectivity Method - L. Chen* (China University of Petroleum, Beijing), J.Y. Li (China University of Petroleum, Beijing), H.X. Liu (Research Institute of Bohai Oil Company, CNOOC), H. Zhang (China University of Petroleum, Beijing), H.Y. Yu (China University of Petroleum, Beijing) &amp; R.K. Chen (China University of Petroleum, Beijing)</b>	
09:20	<b>Tu P5 03 - A High-resolution Facies Model of Pre-salt Lacustrine Carbonates Reservoirs. Morro do Chaves Fm. Example, Brazil - P. T. L. Menezes* (DGAP-FGEL-UERJ), J.M. Travassos (Civil Engineering, COPPE/UFRJ) &amp; M.A.M. Medeiros (GEFEX-UERJ)</b>	<b>Tu P6 03 - Modeling and Analysis of Frequency-dependent AVO Attributes for Fluids Saturation Prediction - S. Zhang* (China University of Petroleum (Beijing)), S. Chen (China University of Petroleum (Beijing)) &amp; X.Y. Li (China U of petroleum, British Geological Survey)</b>	
09:45	<b>Tu P5 04 - Non-hydrocarbon Migration Model in Petroleum System Analysis - An Integrated Procedure for Accurate Risk Assessment - C. Geloni* (eni SpA), A. Consonni (eni SpA), M. Dalla Rosa (eni SpA), A. Battistelli (Saipem SpA), V. Bortolotti (University of Bologna), S. Bondua (University of Bologna), M.E. Vasini (University of Bologna) &amp; C. Cormio (University of Bologna)</b>	<b>Tu P6 04 - Reflection Coefficient Analysis Based on White Layered-patchy Saturation Model - F. He* (China University of Petroleum(East China)), G.Z. Zhang (China University of petroleum(East China)), Z.L. Pei (China University of petroleum(East China)), J.J. Xue (China University of petroleum(East China)) &amp; J.J. Song (China University of petroleum(East China))</b>	
10:10	<b>Break</b>	<b>Break</b>	
<b>SOURCE ROCKS AND PETROLEUM SYSTEMS (A)</b> <i>O. Abbink (IHS CERA) &amp; W.S. Meddaugh (Midwestern State University)</i>			
10:30	<b>Tu P5 05 - Light Hydrocarbons Geochemistry of Oils Trapped in the Austrian Foreland Basin - L. Pytlak* (Montanuniversität Leoben), D. Gross (Montanuniversität Leoben), R.F. Sachsenhofer (Montanuniversität Leoben) &amp; H.G. Linzer (Rohöl-Aufsuchungs AG)</b>	<b>Tu P6 05 - Dependency of AVO and AVOA Signature for long-offset P-wave Seismic Reflections in the Vicinity of Volcanic Structures - M.A.A.M. Jelani* (University of Leeds/Universiti Malaysia Terengganu) &amp; D. Angus (University of Leeds)</b>	
10:55	<b>Tu P5 06 - A Discussion on the Hydrocarbon Generation Lower Limit of Source Rocks at Shahejie formation In Dongpu Depression Bohai - L. Tang* (China University of Petroleum), P. Xiongqi (China University of Petroleum), H. Tao (China University of Petroleum) &amp; P. Zhihong (China University of Petroleum)</b>	<b>Tu P6 06 - Julia Application in Calculating Reflectivity from High Order Anisotropic Interface - R. Malehmir* (University of Alberta) &amp; D. Schmitt (University of Alberta)</b>	
11:20	<b>Tu P5 07 - Facies Characteristic, Paleoenvironmental Reconstruction, and Reservoir Characterization of the Dariyan Formation, Lower - M. Jamalian* (Pars Petro Zagros Engineering and Services Company), D. Amirsardari (Petroleum Engineering and Development Company), M. Fathi (Pars Petro Zagros Engineering and Services Company), M. Goodarzi (Pars Petro Zagros Engineering and Services Company) &amp; M. Jamaljan (Islamic Azad University)</b>	<b>Tu P6 07 - Nonlinear Three-term AVO Inversion Based on Exact Zoeppritz Equations - L. Zhou* (China University of Petroleum - Beijing), J.Y. Li (China University of Petroleum - Beijing), X.H. C (China University of Petroleum - Beijing), X.Y. L (China University of Petroleum - Beijing) &amp; L. C (China University of Petroleum - Beijing)</b>	
11:45		<b>Tu P6 08 - Azimuthal AVO of P-wave at the Boundary between Two TTI Media - H.W. Wang (China University of Mining and Technology(Beijing)), S.P. Peng (China University of Mining and Technology(Beijing)) &amp; W.F. Du* (China University of Mining and Technology(Beijing))</b>	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>DIAGENESIS IN CLASTIC RESERVOIRS</b>		<b>KNOWLEDGE SHARING (A) (SPE)</b>	
13:30	<b>Tu P5 09 - Preservation of Reservoir Quality in Sandstones by Chlorite Coats - Insights from Viewing Ion-Milled Samples in SEM - S.P. Dutton* (University of Texas at Austin), R.G. Loucks (University of Texas at Austin) &amp; W.A. Ambrose (University of Texas at Austin)</b>	<b>Tu P6 09 - Volume Effects on Methane- Shale Adsorption under Reservoir Conditions - S. Yang* (University of Calgary), W. Wu (University of Calgary), J. Xu (University of Calgary), D. Ji (University of Calgary) &amp; Z. Chen (University of Calgary)</b>	
13:55	<b>Tu P5 10 - Diagenesis in Cenomanian Clastic Reservoir Rocks of the Alpine Foreland Basin (Austria) - M.-L. Grundtner* (Montanuniversitaet Leoben, Petroleum Geology), D. Gross (Montanuniversitaet Leoben, Petroleum Geology), A.S. Samsu (Monash University, School of Earth and Atmosphere), H.G. Linzer (Rohöl-Aufsuchungs AG), D. Misch (Montanuniversitaet Leoben, Petroleum Geology), R. Sachsenhofer (Montanuniversitaet Leoben, Petroleum Geology), L. Scheucher (Rohöl-Aufsuchungs AG) &amp; S. Schnitzer (GDF SUEZ E&amp;P Deutschland GmbH)</b>	<b>Tu P6 10 - Integrated Development of Europe's Largest Open-access Underground Gas Storage by Use of a Multidisciplinary Simulator - P. Bruijnen* (TAQA Energy B.V.), W.J. Plug (TAQA Energy B.V.), G. van Yperen (EBN B.V.) &amp; W. Botermans (B-PES)</b>	
14:20	<b>Tu P5 11 - Distribution of Coatings in Fluvio-eolian Red Beds and Their Impact on Reservoir Quality Modeling - B. Busch* (RWTH Aachen University), C. Hilgers (RWTH Aachen University), C. Schmidt (RWTH Aachen University) &amp; D. Adelman (Wintershall Holding GmbH)</b>	<b>Tu P6 11 - Utilization of 4D Seismic Data to Semi Quantify Residual Oil Saturation by Karhunen-Loeve Transform and Neural Artificial Network During CSS - S. Yang* (University of Calgary), D. Ji (University of Calgary), Z. Gui (Yangtze University), Z. Chen (University of Calgary) &amp; L. Zhong (China University of Petroleum - Beijing)</b>	
14:45	<b>Tu P5 12 - Prediction of Diagenetic Facies Using Well Logs in Tight Sandstone Reservoir - A Case from Chang 7 in Ordos Basin, China - Y. Cui* (China University of Petroleum - Beijing), G. Wang (China University of Petroleum - Beijing), Y. Sun (China University of Petroleum - Beijing), Y. Ran (China University of Petroleum - Beijing) &amp; Z. Zhou (China University of Petroleum - Beijing)</b>	<b>Tu P6 12 - Verification Of Geological Models With One Single Simulation Run - G.M. Mittermeir* (Mining University of Leoben), C. Steiner (Mining University of Leoben), M.M. Gharsalla (Zueitina Oil Company) &amp; Z.E. Heinemann (Mining University of Leoben)</b>	
15:10	<b>Break</b>	<b>Break</b>	
		<b>MICRO AND PASSIVE SEISMIC EVENT DETECTION AND ANALYSIS (A)</b> <i>A.V. Strudley (Chevron Global Upstream &amp; Gas) &amp; A.A. Duchkov (Institute of Petroleum Geology &amp; Geophysics SB RAS)</i>	
15:30	<b>Tu P5 13 - Pore-preserving Mechanism of Chlorite Rims in Sandstone-example from the P3w Formation of Jinlong Area, Junggar Basin - X. Shan* (PetroChina Hangzhou Research Institute of Geology)</b>	<b>Tu P6 13 - Downhole Microseismic Data Processing - Consistency of Locations, Source Mechanisms and Stress State - Z. Jechumtálová* (Seismik s.r.o.), F. Chu (BGP Inc., China National Petroleum Corporation), J. Rong (BGP Inc., China National Petroleum Corporation), J. Procházka (Seismik s.r.o.) &amp; L. Eisner (Seismik s.r.o.)</b>	
15:55	<b>Tu P5 14 - Impact of Facies-related Diagenesis on the Heterogeneity of Reservoir Sandstones - Obaiyed Field, Western Desert, Egypt - R. Badr* (Cairo University), M. El-Anbaawy (Cairo University) &amp; A. El-Kammar (Cairo University)</b>	<b>Tu P6 14 - Automatic Microseismic Events Detection by Phase-only Correlation - C.X. Chang (Institute of Geology and Geophysics,CAS), W.S. Wu* (Institute of Geology and Geophysics,CAS) &amp; W.Y. Wang (Institute of Geology and Geophysics,CAS)</b>	
16:20	<b>Tu P5 15 - Investigation of Diagenetic Alteration, Mineralization And Stream Sediment Geochemistry in Chehregan Sedimentary Basin - M. Panahzadeh* (Tabriz University) &amp; R. Masoumi (Tabriz University)</b>	<b>Tu P6 15 - Microseismic Events Enhancement in Sensor Arrays Using Autocorrelation Based Filtering - E. Liu* (Georgia Institute of Technology), L. Zhu (Georgia Institute of Technology), J.H. McClellan (Georgia Institute of Technology), A. Al-Shuhail (KFUPM) &amp; S.I. Kaka (KFUPM)</b>	
16:45		<b>Tu P6 16 - Investigation of Ambient Noise Levels in the Adana Basin and its Surroundings, Southern Turkey - N. Bulut* (Istanbul Technical University), A. Kocaoglu (Istanbul Technical University) &amp; A. Kasilar (Istanbul Technical University)</b>	

<b>e-Posters 7</b>	
<b>SEISMIC SIGNAL PROCESSING - TEMPORAL AND SPATIAL RESOLUTION (A)</b>	
<i>A. Poole (Schlumberger)</i>	
<b>08:30</b>	<b>Tu P7 01 - Study of the Curvelet Transform for Aliasing 3D Seismic Data Recovery</b> - M Sun* (1. China University of Petroleum 2. SGC Shengli), Z. Li (China University of Petroleum), P. Yong (China University of Petroleum) & J. Zhao (SGC Shengli)
<b>08:55</b>	<b>Tu P7 02 - Shaping Spectrum of Short-time Fourier Transform for Broadening the Seismic Bandwidth</b> - Z.J. Ge* (China University of Petroleum - Beijing), J.Y. Li (China University of Petroleum - Beijing), X.H. Chen (China University of Petroleum - Beijing), R.K. Chen (China University of Petroleum - Beijing) & K.K. Guo (China University of Petroleum - Beijing)
<b>09:20</b>	<b>Tu P7 03 - A Robust Deconvolution Algorithm with Sparsity and Lateral Continuity Constraints</b> - Y. Zhao* (China University of Petroleum (Beijing)), G. Li (China University of Petroleum (Beijing)) & B. Li (China University of Petroleum (Beijing))
<b>09:45</b>	<b>Tu P7 04 - Anelastic Medium Seismic Reflectivity Estimation With L1 Norm and Bregman Iteration</b> - S. Guo* (Tongji University) & H.Z. Wang (Tongji University)
<b>10:10</b>	<b>Break</b>
<b>10:30</b>	<b>Tu P7 05 - Colored Gabor Deconvolution</b> - Y.Y. Ma* (China University of Petroleum(Beijing)), S.Y. Cao (China University of Petroleum(Beijing)), D. Yuan (China University of Petroleum(Beijing)) & Z.J. Wang (CNOOC Research Institute)
<b>10:55</b>	<b>Tu P7 06 - Coherent Noise Attenuation Using Mathematical Morphological Filtering</b> - W. Huang* (China University of Petroleum), R. Wang (China University of Petroleum-Beijing), L. Zhang (China University of Petroleum-Beijing), Y. An (China University of Petroleum-Beijing) & Y. Zhou (China University of Petroleum-Beijing)
<b>12:10</b>	<b>Lunch</b>
<b>NMO AND VELOCITY ESTIMATION</b>	
<i>M.R. Johnson (EnQuest)</i>	
<b>13:30</b>	<b>Tu P7 09 - Azimuthal Dependence of Normal Moveout Velocities in Anisotropic Media</b> - Y.V. Roganov* (Consultant) & A. Stovas (NTNU, Norway)
<b>13:55</b>	<b>Tu P7 10 - Long-offset Moveout Approximation for VTI Elastic Layered Media</b> - I. Ravve (Paradigm) & Z. Koren* (Paradigm)
<b>14:20</b>	<b>Tu P7 11 - Long-offset Parametric Moveout Approximation for VTI Elastic Layered Media</b> - I. Ravve* (Paradigm) & Z. Koren (Paradigm)
<b>14:45</b>	<b>Tu P7 12 - A NMO Correction Method Without Stretching Distortion</b> - J.F. Xie* (China University of Petroleum (Huadong)), C.Y. Sun (China University of Petroleum (Huadong)), Q.R. Xu (China University of Petroleum (Huadong)) & Z.A. Yao (China University of Petroleum (Huadong))
<b>15:10</b>	<b>Break</b>
<b>15:30</b>	<b>Tu P7 13 - Background Velocity Inversion with Scatter Gaussian Packet</b> - H. Li (Tongji University), H. Wang (WPI, Tongji University), J. Yin (Department of Mathematics, Tongji University) & S. Guo* (Tongji University)
<b>15:55</b>	<b>Tu P7 14 - Velocity Model Building with Well Mis-tie Extension in TTI Media</b> - P. Zhang* (Statoil), D. Wang (Statoil), S. Xu (Statoil) & H. Zhou (Statoil)
<b>16:20</b>	<b>Tu P7 15 - First-arrival Traveltime Tomography with Modified Total Variation Regularization</b> - W. Jiang* (University of Science and Technology of China) & J. Zhang (University of Science and Technology of China)
<b>16:45</b>	<b>Tu P7 16 - Estimation of the Anisotropy Parameters from Imaging Moveout of Diving Wave in a Factorized VTI Medium</b> - S. Xu* (Norwegian University of Science & Technology), A. Stovas (Norwegian University of Science & Technology) & T. Alkhalifah (King Abdullah University of Science and Technology)

## Student e-Poster presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Student e-Posters 1		Student e-Posters 2	
<b>Sedimentology and Structural Geology</b> <i>Y. Makeen (University of Malaya)</i>		<b>IMPROVED OIL RECOVERY</b> <i>R. Bischoff (OMV Exploration &amp; Production GmbH)</i>	
08:30	<b>Tu SP1 01 - Lower Cretaceous Evolution of the Fingerdjupet Sub-basin</b> - B. Acharyya* (University of Stavanger), A. Escalona (University of Stavanger), B.K.L. Bryn (Centrica) & S.S. Haaland (Centrica)	1	<b>Tu SP2 01 - Pore-scale Visualization of Polymer Viscoelasticity Using Particle Tracing in Glass-Silicon-Glass Micromodels</b> - A. Rock* (Clausthal University of Technology), R.E. Hincapie (Clausthal University of Technology), J. Wegner (Clausthal University of Technology), H. Födisch (Clausthal University of Technology) & L. Ganzer (Clausthal University of Technology)
08:55	<b>Tu SP1 02 - Seismic Characterization of Lower Cretaceous Clinof orm Packages in the Fingerdjupet Sub-basin, Southwestern Barents Sea</b> - C.H. Hinna* (University of Stavanger), A. Escalona (University of Stavanger), B.K.L. Bryn (Centrica) & S.S. Haaland (Centrica)		<b>Tu SP2 02 - Evaluation of Viscoelastic Behavior during Surfactant-polymer Flooding in Porous Media Using Microfluidics</b> - R.R. Elhajaji* (Clausthal University of Technology), R.E. Hincapie (Clausthal University of Technology) & L. Ganzer (Clausthal University of Technology)
09:20	<b>Tu SP1 03 - 2D Flexural Modelling of the Barents Sea</b> - H. Østebø* (University of Stavanger), A. Escalona (University of Stavanger) & N. Cardozo (University of Stavanger)		<b>Tu SP2 03 - The Modelling of Low Salinity Waterflooding by Numerical and Analytical Method</b> - M. Be* (Clausthal University of Technology)
09:45	<b>Tu SP1 04 - Evolution of the Eastern Austrian Molasse Basin - The Lower Miocene (Burdigalian) as a Key to the Understanding of the Ea</b> - M. Palzer-Khomenko* (University of Vienna), W. Knierzinger (University of Vienna), M. Wagreich (University of Vienna), S. Gier (University of Vienna), M. Kallanxhi (Babeş-Bolyai University) & A. Soliman (Tanta University)		<b>Tu SP2 04 - Advanced Numerical and Analytical Simulation of Polymer Flooding</b> - D.C. Raharja* (Clausthal University of Technology), S. Hikmahtiar (Clausthal University of Technology) & R. Susanto (Clausthal University of Technology)
10:10	<b>Break</b>		<b>Break</b>
10:30	<b>Tu SP1 05 - Geological Mapping and Modelling of a Proposed Syn-rift Alluvial Fan Deposits in the Kerpiní Fault Block, Greece</b> - S. Hadland* (University of Stavanger), C. Townsend (University of Stavanger) & A. Escalona (University of Stavanger)		<b>Tu SP2 05 - Performance of Polymer Injection in Hydraulically Fractured Heterogeneous Reservoirs - A Simulation Approach</b> - J. Abbasi* (Shiraz University), B. Raji (Shiraz University), M. Riaz (Shiraz University) & A. Kalantariasl (Shiraz University)
10:55	<b>Tu SP1 06 - Structural Geology and Stratigraphy of the Ugandan Albertine Graben</b> - M. Balyesima* (Makerere University)		<b>Tu SP2 06 - Enhancing Foam Stability by Fly Ash Nanoparticles</b> - A. Raj* (Indian School of Mines) & A. Anand (Indian Institute of Technology)
11:20	<b>Tu SP1 07 - Strike-slip Structure and Kinematics of the Nubian Faults, South Egypt</b> - S. Ibrahim* (Cairo University, Padova University), M. Massironi (University of Padua), D. Zampieri (University of Padua), S. Sakran (Cairo University) & A. Ninfo (University of Padua)		<b>Tu SP2 07 - A New Thermal Method Concept for IOR from Oil Reservoir Using Optimized <i>in situ</i> Combustion</b> - G. Cheraghian* (Islamic Azad University)
11:45	<b>Tu SP1 08 - Reconstruction of Subsurface Depositional History of Onshore Niger Delta through Electro- and Seismo-sequence Analyses</b> - J.R. Onayemi* (University of Lagos) & S.S. Oladele (University of Lagos)		
12:10	<b>Lunch</b>		<b>Lunch</b>
<b>SEISMOLOGY, MICROSEISMIC AND PASSIVE SEISMIC</b> <i>A. Sharma (Schlumberger)</i>		<b>RESERVOIR GEOLOGY, PETROLEUM SYSTEMS AND ANALOGS</b> <i>B. Koehrer (Wintershall Holding GmbH) &amp; P.M. Lloyd</i>	
13:30	<b>Tu SP1 09 - Advantages of Probabilistic Approach to Microseismic Events Location - A Case Study from Northern Poland</b> - W. Gajek* (Polish Academy of Sciences), J. Trojanowski (Polish Academy of Sciences) & M. Malinowski (Polish Academy of Sciences)		<b>Tu SP2 09 - Detailed Structural Mapping of a Thick Sequence of Syn-Rift Deposits in the Hanging Wall of the Kerpiní Fault, Greece</b> - E. Sigmundstad (University of Stavanger), C. Townsend (University of Stavanger), A. Escalona (University of Stavanger) & S. Hadland* (University of Stavanger)
13:55	<b>Tu SP1 10 - Upper Crustal Structure of Cameroon (West Africa) from Ambient Noise Love Wave Tomography</b> - A.O. Ojo* (University of Science & Technology of China), S. Ni (Chinese Academy of Sciences) & Z. Li (Chinese Academy of Sciences)		<b>Tu SP2 10 - Three-dimensional Geological Modelling of a Slope-to-basin Carbonate Reservoir Analogue - The Case of the Maiella Mt.</b> - V. Mascolo* (University of Chieti Pescara), G. Rusciadelli (University of Chieti Pescara), C. Ricci (University of Chieti Pescara) & I. Lecomte (NORSAR / University of Oslo)
14:20	<b>Tu SP1 11 - Hazard Zonation Mapping and Vulnerability Assessment of Kedarnath Region</b> - H. Gupta* (Indian School of Mines), A. Mehndiratta (Indian School of Mines) & A. Paliania (Indian School of Mines)		<b>Tu SP2 11 - From Basin Analysis to Play Concept - A Systematic Approach Applied to the Northern Depobelt of Niger Delta Basin</b> - J.R. Onayemi* (University of Lagos) & S.S. Oladele (University of Lagos)
14:45	<b>Tu SP1 12 - A Simple Velocity Inversion for Microseismic Event Location</b> - W. Choi* (Inha University), S. Pyun (Inha University), W. Kim (Korea Institute of Geoscience and Mineral Resources) & H. Kim (Geoview)		<b>Tu SP2 12 - High-resolution Reservoir Architecture Modelling of Crevasse Splay Deposits in Low-net-to-gross Fluvial Stratigraphy</b> - H.T.W. Boerboom* (Delft University of Technology), A.B. Sandén (Delft University of Technology), K.A. van Toorenburg (Delft University of Technology), M.E. Donselaar (Delft University of Technology) & G.J. Weltje (University of Leuven)
15:10	<b>Break</b>		<b>Break</b>
15:30	<b>Tu SP1 13 - Response of Nepal Earthquake and its Associated Earthquakes Using Strong Ground Motion Data Recorded in Uttar Pradesh</b> - M. Dagar* (Indian School of Mines) & B. Sharma (Indian Ministry of Earth Sciences)	1	<b>Tu SP2 13 - Process-based Modelling of Sediment Distribution in Fluvial Crevasse Splays</b> - A.B. Sandén* (Delft University of Technology), H.T.W. Boerboom (Delft University of Technology), M.E. Donselaar (Delft University of Technology), J.E.A. Storms (Delft University of Technology), K.A. van Toorenburg (Delft University of Technology), H. van der Vegt (Delft University of Technology) & G.J. Weltje (KU Leuven)
15:55	<b>Tu SP1 14 - Probabilistic Seismic Hazard Assessment in Northeast of Iran</b> - S.J. Motavalli Anbaran* (University of Tehran) & O. Bagherpur (University of Tehran)		<b>Tu SP2 14 - Controls on Porosity Heterogeneity in Carbonate Lithofacies of the Miocene Dam Formation Outcrop, Eastern Saudi Arabia</b> - A. Abdelkarim* (King Fahd University of Petroleum & Minerals) & O. Abdullatif (King Fahd University of Petroleum & Minerals)
16:20	<b>Tu SP1 15 - Stress Change Pattern and their Relation with Orientation of Fault</b> - A. Patel* (Indian School of Mines)		<b>Tu SP2 15 - Descriptive Source Rock Quality Mapping Based on Chemometric Classification of Bulk Geochemical Data, Persian Gulf Basin</b> - M.M. Alipour Mamaqani* (Shahid Chamran University of Ahwaz), B. Alizadeh (Shahid Chamran University of Ahwaz), A. Chehrizi (National Iranian Offshore Oil Company), S. Mirzaie (Petrosar), S. Shakib (Petrosar), B. Khani (Research Institute of Petroleum Industry) & S. Ramos (Infometrix)
16:45	<b>Tu SP1 16 - Estimation of Crustal and Upper Mantle Configuration of Dhanbad Region Using Receiver Function Analysis</b> - A. Kumar* (Indian School of Mines), A. Verma (Indian School of Mines) & O.P. Mishra (Indian Ministry of Earth Sciences)		

1 Best Student Paper Prize



## Oral presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Lehar 1		Lehar 2	
<b>EXPLORATION - PLAYS, PROSPECTS AND PROSPECT EVALUATION</b> <i>J.J. Biteau (Total SA) &amp; F. Steinhoff (DONG Energy A/S)</i>		<b>SIMULTANEOUS SOURCES</b> <i>G. Hampson (DownUnder GeoSolutions Pty Ltd) &amp; J. Paffenholz (FairfieldNodal)</i>	
08:30	<b>We LHR1 01 - The Influence of Pore Pressure in Assessing Hydrocarbon Prospectivity - A Review</b> - S. Green (Ikcon Science), S.A. O'Connor (Ikcon Science) & A.P. Edwards* (Ikcon Science)	<b>We LHR2 01 - Where Are We Today with ISS® De-blending Processing Capability? Results from Shallow Water OBC Data, Indonesia</b> - S. Wolfarth (BP Indonesia), D. Priyambodo (BP Indonesia), T. Manning (BP Indonesia), T. Septyana* (BP Indonesia) & S. Putri (BP Indonesia)	
08:55	<b>We LHR1 02 - Mature Exploration Challenges in Murzuq Basin (Libya) - Chasing Stratigraphic Traps</b> - M. Ron Martin* (Repsol), J. Buitrago (Repsol), M. Erquiaga (Repsol), I. Sarkawi (Repsol) & J.M. Gonzalez Muñoz (Repsol)	<b>We LHR2 02 - Recovery of Blended Data - A Sparse Coding Approach for Seismic Acquisition</b> - M. Guillouet* (CGG), A. Berthaud (CGG), T. Bianchi (CGG), G. Pignot (CGG), S. Mahroogi (Petroleum Development Oman) & J. Shorter (Petroleum Development Oman)	
09:20	<b>We LHR1 03 - Namibe- W. Africa's Last Frontier Basin</b> - D. Rathee* (Schlumberger) & K. Kornphil (Schlumberger)	<b>We LHR2 03 - Design of Near-orthogonal Air-gun Sequences for Marine Seismic Source Encoding</b> - M.B. Mueller* (ETH Zurich), D.F. Halliday (Schlumberger Gould Research), D.J. van Manen (ETH Zurich) & J.O.A. Robertsson (ETH Zurich)	
09:45	<b>We LHR1 04 - GDE Based Play Maps - The Traps for Young Players</b> - C.J. Cubitt* (HOT Engineering GmbH), S.A. Tiainen (HOT Engineering GmbH) & P. Quast (HOT Engineering GmbH)	<b>We LHR2 04 - Record-length Extension by Rank-reduction De-blending</b> - M. Maraschini* (Dolphin Geophysical Limited), A. Kielus (Dolphin Geophysical Limited), J.B. Barnes (Dolphin Geophysical Limited) & S. Grien (Dolphin Geophysical Limited)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>We LHR1 05 - Potential of the Eastern NL, Canada</b> - P. Jermannaud (Beicip-Franlab), E. Le Guerroué* (Beicip-Franlab), P.Y. Chenet (Beicip-Franlab), J. Pitz (Beicip-Franlab), E. Gillis (Nalcor Energy), J. Carter (Nalcor Energy), I. Atkinson (Nalcor Energy), D. McCallum (Nalcor Energy) & R. Wright (Nalcor Energy)	<b>We LHR2 05 - Wavefield Signal Apparition, Part I - Theory</b> - J.O.A. Robertsson* (ETH Zurich), L. Amundsen (Statoil) & A. Sjøen Pedersen (Statoil)	
10:55	<b>We LHR1 06 - Use of Vintage Seismic and Well Data to Characterise the Exploration Potentials of the Valencia Basin</b> - R. Di Cuia* (G.EPlan Consulting srl), M. Marian (GEPlan Consulting), A. Ricciato (GEPlan Consulting), A. Riva (GEPlan Consulting), E. Battara (GEPlan Consulting) & R. Bitonte (GEPlan Consulting)	<b>We LHR2 06 - Wavefield Signal Apparition, Part II - Application to Simultaneous Sources and Their Separation</b> - A. Sjøen Pedersen (Statoil), L. Amundsen (Statoil) & J.O.A. Robertsson* (ETH Zurich)	
11:20	<b>We LHR1 07 - Hydrocarbon Prospectivity of the Eastern Rio Del Rey, Cameroon</b> - M.P. Jameson* (Glencore Exploration Cameroon Ltd), P. Wilson (Glencore Exploration Cameroon Ltd), P. Nguema (Societe Nationale des Hydrocarbures du Cameroun) & S. Tamfu (Societe Nationale des Hydrocarbures du Cameroun)	<b>We LHR2 07 - Simultaneous Source Separation Using Adaptive Robust Linear Algebra</b> - C. Beasley* (WesternGeco), I. Moore (WesternGeco), R. Fletcher (WesternGeco) & C. Castellanos (WesternGeco)	
11:45		<b>We LHR2 08 - Simultaneous Source Separation Using an Annihilation Filter Approach</b> - J. Rohnke* (CGG) & G. Poole (CGG)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>ELECTROMAGNETIC METHODS II - INVERSION</b> <i>R. Streich (Shell Global Solutions International BV) &amp; T. Holten (PetroMarker AS)</i>		<b>TIME-LAPSE SEISMIC INTERPRETATION I</b> <i>P.J. Hatchell (Shell Global Solutions International BV) &amp; M. Luthje (Technical University of Denmark)</i>	
13:30	<b>We LHR1 09 - 3D Inversion of Helicopter-borne Electromagnetic Data - A Cut-&amp;Paste Strategy</b> - M. Scheunert (TU Bergakademie Freiberg (now at TU Chemnitz)), A. Ullmann (BGR Hannover (now at LIAG Hannover)), M. Afanasjew (TU Bergakademie Freiberg), R.U. Bömer (TU Bergakademie Freiberg), B. Siemon (BGR Hannover) & K. Spitzer* (TU Bergakademie Freiberg)	<b>We LHR2 09 - Application of Image Consistent Time-strain Analysis to the 4D Baobab Data</b> - H. Hoerber* (CGG), A. Khalil (CGG), S. de Pierrepont (CGG), Z. Dobo (CGG), H. Neal (CGG), C. Purcell (CGG), K. Ubik (CGG), B. Singh (CNR) & Y. Singh (CNR)	
13:55	<b>We LHR1 10 - Application of Pareto Joint Inversion in MT and Gravity Data Interpretation - Example from North Poland</b> - A. Bogacz* (AGH University of Science and Technology), T. Danek (AGH University of Science and Technology), K. Miernik (AGH University of Science and Technology), L. Sito (Geopartner Ltd.), P. Targosz (Geopartner Ltd.) & M. Wojdyla (Geopartner Ltd.)	<b>We LHR2 10 - 4D Simulation-to-seismic Modelling as a History Match Constraint for a Gas Development Project at Harding and Gryphon</b> - P.C. Mitchell* (TAQA Bratani Limited), N.K. Klem (Maersk Oil UK) & J.R. Todd (Maersk Oil UK)	
14:20	<b>We LHR1 11 - De-coupling Anomalous Fluid and Lithology Resistivity Effects by Using the Complete Seismic Wavefield</b> - A.J. McKay* (PGS Geophysical AS), G. Ronholt (PGS Geophysical AS), T. Tshering (PGS Geophysical AS) & S. Naumann (PGS Geophysical AS)	<b>We LHR2 11 - Accessing a North Sea Reservoir Connectivity from 4D Seismic and Production Data</b> - M. Ayzenberg* (Statoil ASA) & Z. Yin (Heriot-Watt University)	
14:45	<b>We LHR1 12 - Using Broadband mCSEM-driven Velocity Model Building to Improve Complex Subsalt Imaging</b> - A. Zerilli* (Schlumberger), M.P. Buonora (Petrobras GEOF/MNS), F. Miotti (Schlumberger), J.L.S. Crepaldi (Petrobras GEOF/MNS) & P.T.L. Menezes (Petrobras GEOF/MNS)	<b>We LHR2 12 - Using Daily 4D Seismic to Build a Mechanistic Reservoir Model for Effective Steam Injection Operation</b> - P.B. Wills (Shell International Exploration & Production Inc.), J.K. Przybysz-Jarnut* (Shell Global Solutions International B.V.), J.L. Lopez (Shell International Exploration & Production Inc.), S.K. Bakku (Shell International Exploration & Production Inc.) & Y. Xue (Shell International Exploration & Production Inc.)	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>We LHR1 13 - Image-guided Regularized Marine Controlled Source Electromagnetic Inversion</b> - Z. Guo* (Norwegian University of Science & Technology), H. Dong (Norwegian University of Science & Technology) & A. Kristensen (Norwegian University of Science & Technology)	<b>We LHR2 13 - Comparison of 4D Seismic Inversion Methods for Qualitative Water Breakthrough Risk Assessment before Drilling</b> - D. Rappin* (Total), Y. Arroub (Total), P. Cruz (Total), C. Hubans (Total) & R. Kossaleba (Total)	
15:55	<b>We LHR1 14 - Background Resistivity Prediction from Seismic Velocities</b> - C. Puryear (EMGS), J. Rasmussen (EMGS), L. Sánchez (EMGS), R. Walker (BG Group), R. Reddig (Emblem Exploration Services), L. Lorenz* (EMGS) & P. Rodriguez (Ancap)	<b>We LHR2 14 - Comparative Analysis of Binary and Conventional Seismic Assisted History Matching</b> - D. Obidegwu* (Heriot-Watt University), C. MacBeth (Heriot-Watt University) & R. Chassagne (Heriot-Watt University)	
16:20	<b>We LHR1 15 - Large-scale Seismically Guided Anisotropic Inversion of the Towed Streamer EM Data Acquired in the Barents Sea</b> - M.S. Zhdanov* (Technolmaging and U of U), M. Endo (Technolmaging LLC), M. Cuma (Technolmaging and U of U), D. Sunwall (Technolmaging), J. Malmberg (PGS Geophysical AS), A. McKay (PGS Geophysical AS), T. Tshering (PGS Geophysical AS) & J. Midgley (PGS Geophysical AS)	<b>We LHR2 15 - 4D Noise Understanding to Validate 4D Anomalies</b> - C. Hubans* (Total)	
16:45		<b>We LHR2 16 - Looking for the Lost Correlation</b> - C. Magneron* (Estimages)	



## Oral presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Lehar 3		Lehar 4	
<b>SEISMIC RESERVOIR CHARACTERIZATION I - SEISMIC INVERSION ADVANCE</b> <i>P. Lanfranchi (Maersk Oil) &amp; J.A. Edgar (Total E&amp;P UK Limited)</i>		<b>OPTIMIZING LAND ACQUISITION DESIGN</b> <i>N. Tellier (Sercel) &amp; M.A. Hall</i>	
08:30	<b>We LHR3 01 - An Amplitude-based Modeling Method and Its Application on the Impedance Inversion</b> - Y. Zhang* (PEPRIS, Sinopec, China), Z. Jin (PEPRIS, Sinopec, China), Z. Sun (China University of Petroleum-Beijing), N. Dong (PEPRIS, Sinopec, China), Y. Chen (PEPRIS, Sinopec, China) & X. Liu (PEPRIS, Sinopec, China)		<b>We LHR4 01 - Real-time Adaptive Broadband Land Seismic Acquisition</b> - A. Zhukov* (Lomonosov Moscow State University), I. Korotkov (Lomonosov Moscow State University), I. Nekrasov (GDS Ltd), T. Galikhev (Unifiedgeo Ltd) & E. Sidenko (Lomonosov Moscow State University)
08:55	<b>We LHR3 02 - Simple AVO Inversion for the Identification and Classification of Injected Heimdal Sands, Mariner Field, UKCS</b> - N.J. McArdle* (Statoil Production UK), S. Østmo (Statoil ASA), P.J. McFadzean (Statoil Production UK) & E. Ødegaard (Statoil ASA)		<b>We LHR4 02 - Maximizing Information Content of Seismic Data through Optimized Acquisition Design - A Case History from South Tunisia</b> - M. Pastori (ENI), M. Buia (ENI), A. Masciarelli (ENI), G. Tortini (ENI), F. Pradalíe (CGG), T. Bianchi (CGG), H. Millet (CGG), S. Trabelsi (CGG), W. Oueslati (CGG) & P. Herrmann* (CGG)
09:20	<b>We LHR3 03 - Prestack Simultaneous Inversion to Predict Lithology in the Realgrunnen Subgroup of the Goliat Field, SW Barents Sea</b> - H.D. Yenwongfai* (University of Oslo/Statoil ASA), N.H. Mondol (University of Oslo), I. Lecomte (NORSAR/University of Oslo) & J.I. Faleide (University of Oslo)		<b>We LHR4 03 - Dithered Sweep Lengths - A New Technique for Attenuating Harmonic Noise in Vibroseis Data</b> - T. Dean (Schlumberger Oilfield UK), K. Iranpour (WesternGeco), M. Clark (Schlumberger) & A. Poole* (Schlumberger)
09:45	<b>We LHR3 04 - Realistic Uncertainty Quantification in Geostatistical Seismic Reservoir Characterization</b> - A. Moradi Tehrani* (CGG), A. Stallone (Roma Tre University), R. Bornard (CGG) & S. Boudon (CGG)		<b>We LHR4 04 - Shared Low Frequency Vibroseis Acquisition</b> - C. Bagaini* (Schlumberger)
10:10	<b>Break</b>		<b>Break</b>
10:30	<b>We LHR3 05 - Geostatistics Guided Seismic Inversion of 3D seismic data in VTI media</b> - Q.R. Ren* (The University of Texas at Austin), M.S. Sen (The University of Texas At Austin), M.N. Naraghi (The University of Texas At Austin), S.S. Srinivasan (Pennsylvania State University) & K.T.S. Spikes (The University of Texas At Austin)		<b>We LHR4 05 - Using 2D Ring Arrays to Remove Back-scattered Surface Noise from Land Seismic Data</b> - C. Stork (ION Geophysical), D. Flentge (ION Geophysical), C. Dingus (ION Geophysical), N. Bernitsas* (ION Geophysical) & P. Farmer (ION Geophysical)
10:55	<b>We LHR3 06 - Detecting Production Effects and By-passed Pay from 3D Seismic Data Using a Facies Based Bayesian Seismic Inversion</b> - K.D. Waters* (Ikon Science Ltd), A.V. Somoza (Ikon Science Ltd), G. Byerley (Apache Corp) & P. Rose (Apache Corp)		<b>We LHR4 06 - A New Slip Sweep Harmonic Elimination Method</b> - Z. Men* (BGP,CNPC), J.F. Wang (BGP,CNPC), Y.S. Lei (BGP,CNPC), T. Ma (BGP,CNPC), H.Y. Li (BGP,CNPC), K.P. Hou (BGP,CNPC) & X.B. Shi (BGP,CNPC)
11:20	<b>We LHR3 07 - Impact of Integrating Initial Guess Models into Geostatistical Seismic Inversion</b> - P. Pereira* (CERENA/Instituto Superior Técnico), L. Azevedo (CERENA/ Instituto Superior Técnico), R. Nunes (CERENA/Instituto Superior Técnico) & A. Soares (CERENA/Instituto Superior Técnico)		<b>We LHR4 07 - Automated and Real-time Field PSTM - How to QC More Efficiently 10 Billion Traces Today and More Tomorrow</b> - J.C. Cotton* (CGG), M. Beilles (CGG), S. Mahrooqi (PDO), J. Porter (PDO), M. Denis (CGG), S. Baris (CGG), E. Fougues (CGG) & H. Chauris (MINES ParisTech)
11:45	<b>We LHR3 08 - Probabilistic Seismic-petrophysical Inversion Applied for Reservoir Characterization in Offshore Nile Delta</b> - M. Aleardi* (University of Pisa), F. Ciabbarri (Edison), B. Garcea (Edison), F. Peruzzo (Edison) & A. Mazzotti (University of Pisa)		
12:10	<b>Lunch</b>		<b>Lunch</b>
<b>SEISMIC RESERVOIR CHARACTERIZATION II - FROM CASE STUDIES TO NEW ADVANCES</b>		<b>DEDICATED - TOWARDS EXASCALE GEOPHYSICAL APPLICATIONS</b> <i>P. Thierry (Intel Corporation), A. St-Cyr (Shell Global Solutions International BV), M. Hanzich (Barcelona Supercomputing Center) &amp; G.R. Roeth (NVIDIA Ltd.)</i>	
13:30	<b>We LHR3 09 - Integration of Bayesian Linearized Inversion into Geostatistical Seismic Inversion</b> - F. Bordignon* (UFSC/L3C and CERENA/IST), L. Figueiredo (UFSC/L3C and U. of Wyoming), L. Azevedo (CERENA/IST), A. Soares (CERENA/IST), M. Roisenberg (UFSC/L3C) & G.S. Neto (PETROBRAS/E&P)		<b>We LHR4 09 - Lossy Wavefield Compression for Time-domain Full Waveform Inversion</b> - C. Boehm* (ETH Zurich), M. Hanzich (Barcelona Supercomputing Center), J. de La Puente (Barcelona Supercomputing Center) & A. Fichtner (ETH Zurich)
13:55	<b>We LHR3 10 - An Application of 3D Seismic in Tapping Potential of Remaining Oil in Daqing Saertu Oil Field</b> - J.C. Qi* (Daqing Oilfield Company Limited, PetroChina), H.X. LI (Daqing Oilfield Company Limited, PetroChina), H.J. ZHOU (Daqing Oilfield Company Limited, PetroChina), L.Y. CHEN (Daqing Oilfield Company Limited, PetroChina) & C.H. PANG (Daqing Oilfield Company Limited, PetroChina)		<b>We LHR4 10 - A Parallelization Strategy for the 5D Data Mapping Problem in Angle Migration</b> - D.M. Merten* (Fraunhofer ITWM)
14:20	<b>We LHR3 11 - The Application of Data Conditioning, Frequency Decomposition and RGB Colour Blending in the Gohta Discovery (Norway)</b> - S. F. Gilani* (DEA E&P Norge AS) & L. Gómez-Martínez (GeoTeric)		<b>We LHR4 11 - Parallel File System Profiling and Tuning Using Earthquake Simulation Application</b> - G. Paciucci* (Intel Corporation), P. Thierry (Intel Corporation) & F. de Martin (BRGM)
14:45	<b>We LHR3 12 - The Application of Multi-scale Faults Depiction Based on 5-D Data in Designing Horizontal Well for Carbonates in Tarim</b> - Z.J. Wang* (BGP,CNPC), X.K. Feng (BGP,CNPC), P.L. Ma (BGP,CNPC), Y.L. Liu (BGP,CNPC), X.F. Wang (BGP,CNPC), X.Y. Mao (BGP,CNPC), L. Wang (BGP,CNPC), Z.Z. Li (BGP,CNPC), D. Lv (BGP,CNPC) & J. Zhao (BGP,CNPC)		<b>We LHR4 12 - Interactive Load-balanced Computations Over Dynamic Resource Sets</b> - V. Aggarwal* (Shell) & T. Nyberg (Shell)
15:10	<b>Break</b>		<b>Break</b>
15:30	<b>We LHR3 13 - Stochastic Inversion by Trace Matching - Reservoir Property Prediction Case Studies</b> - S.R. Grant* (BP) & B.J. Dutton (Cegal Ltd)		<b>We LHR4 13 - GPU Performance Analysis of Discontinuous Galerkin Implementations for Time-Domain Seismic Wave Propagation</b> - A. Modave* (Virginia Tech), J. Chan (Virginia Tech) & T. Warburton (Virginia Tech)
15:55	<b>We LHR3 14 - Seismic Inversion for under-Sampled Reservoirs</b> - A. Torres Fernandez* (Instituto Superior Técnico), A. Soares (Instituto Superior Técnico), D. Cersosimo (Galp Energia), M. Leggett (Galp Energia) & R. Nunes (Instituto Superior Técnico)		<b>We LHR4 14 - GpuWrapper - A Portable API for Heterogeneous Programming at CGG</b> - V. Arslan (CGG), J.Y. Blanc (CGG), F. Darden (CGG), M. Durocher (CGG), G. Sitaraman (CGG), M. Tchiboukdjian* (CGG), G. Thomas-Collignon (CGG) & S. Vitorino (CGG)
16:20	<b>We LHR3 15 - Elastic Simultaneous Inversion for Young's and Poisson Impedances</b> - Z.Y. Zong* (China University of Petroleum) & X.Y. Yin (China University of Petroleum)		<b>We LHR4 15 - Automating End-to-end Optimisation of Finite Difference Codes for Seismic Imaging</b> - G. Gorman* (Imperial College London), M. Lange (Imperial College London), P. Kelly (Imperial College London), M. de Auiar (Imperial College London), F. Vieira Zacaria (Imperial College London) & N. Kukreja (Imperial College London)
16:45			<b>We LHR4 16 - ACE - Reverse Migration at Extreme Scale</b> - D. Gruenewald* (Fraunhofer ITWM)

## Oral presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Lehar 5		Schubert 1	
<b>DIFFRACTION MODELLING AND IMAGING</b> <i>C. Tsingas (Saudi Aramco)</i>		<b>DECISION RISK ANALYSIS AND MANAGING UNCERTAINTY (SPE)</b> <i>A.C. Gringarten (Imperial College London) &amp; T. Schaaf (Storengy)</i>	
08:30	<b>We LHR5 01 - Diffraction Imaging for Detection of Dissolved Caves and Recognition of Fault System on Deep Complex Carbonate Reservoir</b> - S.Z. Sun (China University of Petroleum (Beijing)), D. Zhang* (China University of Petroleum (Beijing)) & H. Zhang (China University of Petroleum (Beijing))	<b>We SBT1 01 - Investing in Technology for More Information - When is it Worth It?</b> - S. Wilson* (Gaffney, Cline & Associates)	
08:55	<b>We LHR5 02 - Imaging Shallow Linear Diffractors by 3D Weighted Multipath Summation</b> - S. Keydar (The Geophysical Institute of Israel), M. Mikenberg (Samara State Aerospace University, Russia), V. Shtivelman (The Geophysical Institute of Israel) & I. Rochlin* (The Geophysical Institute of Israel)	<b>We SBT1 02 - Common Misconceptions in Subsurface and Surface Risk Analysis</b> - G.H. Ward* (RISC (UK) Limited) & S.P. Whitaker (RISC Operations Pty Limited)	
09:20	<b>We LHR5 03 - Seismic Diffraction Response from Boreholes</b> - T.J. Moser* (Moser Geophysical Services), B. Arntsen (Norwegian University of Science and Technology), S. Johansen (Norwegian University of Science and Technology), E.B. Raknes (Norwegian University of Science and Technology) & S. Sangesland (Norwegian University of Science and Technology)	<b>We SBT1 03 - Automated History-matching of Radial Models Using Self Organizing Classification Method for Underground Gas Storage Reservoirs Characterization</b> - F. Huguet* (Storengy), A. Lange (Storengy), P. Egermann (Storengy) & T. Schaaf (Storengy)	
09:45	<b>We LHR5 04 - Diffraction Separation Based on the Projected First Fresnel Zone</b> - P. Bakhtiari Rad* (University of Hamburg), D. Gajewski (University of Hamburg) & C. Vanelle (University of Hamburg)	<b>We SBT1 04 - Markov-Chain Monte Carlo with Locally Varying Mean Kriging for Improved Reservoir Model Calibration and Uncertainty Assessment</b> - M. Tarrahi* (Shell Global Solutions) & S. Afra (Texas A&M University)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>We LHR5 05 - The Imaging Characteristics Study of Multi-scales Heterogeneous Physical Model</b> - N.C. Guo* (CNOOC Ltd Tianjin), D.H. Zhou (CNOOC Ltd Tianjin), K. Wu (CNOOC Ltd Tianjin) & Z. Lv (CNOOC Ltd Tianjin)	<b>We SBT1 05 - Real Time Subsurface and Economic Analysis of the Pegasus West Exploration Well - Suspension v Abandonment Decision and Point Forward Capex Saving</b> - S. Walters* (Centrica E&P), A. Colbeck (Centrica E&P), H. Godhrawala (Centrica E&P), R. Trythall (Centrica E&P) & V. Turner (Centrica E&P)	
10:55	<b>We LHR5 06 - Multi-dimensional Seismic Data Decomposition for Improved Diffraction Imaging and High Resolution Interpretation</b> - G. Yelin (Paradigm), B. de Ribet* (Paradigm), Y. Serfaty (Paradigm) & D. Chase (Paradigm)	<b>We SBT1 06 - 3D Geomechanical Modeling and Water Injection Risk Analysis on Brage A-32C Well</b> - V. Serajian (GeoMechanics Technologies), J. Diessl* (GeoMechanics Technologies), M. Bruno (GeoMechanics Technologies), C. Hermansson (Ridge), J. Hatland (Ridge), M. Risanger (Ridge) & M. Torsvik (Wintershall Norge A/S)	
11:20	<b>We LHR5 07 - Comparison of Different Traveltime Approximations for VTI Media in Context of Poststack Diffraction Imaging</b> - M.J. Khoshnavaz* (Curtin University of Technology), A. Bona (Curtin University of Technology) & M. Urosevic (Curtin University of Technology)	<b>We SBT1 07 - Economic Development of Long Transition Zone Aeolian Sandstones with Hydraulic Fracturing</b> - H.A. Jutila* (RDS Baker Hughes), A.H. Kshirsagar (RDS Baker Hughes), A. Samy (RDS Baker Hughes), L.R. Rivero (RDS Baker Hughes) & N. Monaghan (RDS Baker Hughes)	
11:45		<b>We SBT1 08 - Applied Methodology to Optimize the Sequence of Intervention in a Mature Water-flood Oil Field in the North Sea</b> - J.M. Aponte (Primera Reservoir LTD), M.I. Trujillo* (Nexen Petroleum Ltd) & A.D. Primera (Primera Reservoir Ltd)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>SEISMIC ANISOTROPY IN FRACTURED RESERVOIRS I</b> <i>C. Zhou (Nexen Petroleum U.S.A. Inc.) &amp; L.A. Thomsen (Delta Geophysics)</i>		<b>WELL PERFORMANCE I (SPE)</b> <i>H. Jutila (Baker Hughes) &amp; J.F. Oppelt (Baker Hughes)</i>	
13:30	<b>We LHR5 09 - Physical Modeling of P-wave Reflectivity in TTI Media Using Ultrasonic Techniques</b> - R. Malehmir* (University of Alberta) & D. Schmitt (University of Alberta)	<b>We SBT1 09 - New Approaches of Using Fluid Level Data for Production Optimization and Reservoir Engineering Applications</b> - C. Burgstaller* (RAG Austria)	
13:55	<b>We LHR5 10 - Resolving the AVOAz Symmetry Axis Ambiguity</b> - J.E. Downton* (CGG)	<b>We SBT1 10 - Feasibility Study of Robotic Drilling System Applications in Arctic Conditions</b> - R. Rafati* (University of Aberdeen), M.J. Watt (University of Aberdeen), R. Lawrie (University of Aberdeen), A. Yudhowijoyo (University of Aberdeen) & H. Hamidi (University of Aberdeen)	
14:20	<b>We LHR5 11 - Zero- and Infinite-frequency Limits of P-wave Traveltime Parameters in Tilted Orthorhombic Media</b> - Y. Ivanov* (Norwegian University of Science & Technology) & A. Stovas (Norwegian University of Science & Technology)	<b>We SBT1 11 - Channel Fracturing Technology Provides an Effective Solution to Unlock Tight Gas Development and Production Potential in Saudi Arabia</b> - Z. Rahim* (Saudi Aramco), A.A. Al Kanaan (Saudi Aramco), R.E. Kayumov (Schlumberger), Z. Al-Jalal (Schlumberger) & C.N. Freddi (Schlumberger)	
14:45	<b>We LHR5 12 - Theoretical and Experimental Research on Elastic Wave Influenced by Crack Aspect Ratio</b> - D. Shuai* (China University of Petroleum), J. Wei (China University of Petroleum) & B. Di (China University of Petroleum)	<b>We SBT1 12 - The Impact of Rock Properties on Acid Jetting in Carbonate Rocks - An Experimental Study</b> - V. Ndonhong (Texas A&M University), E. Belostrino (Texas A&M University), D. Zhu* (Texas A&M University), A.D. Hill (Texas A&M University), R.E. Beckham (Exxon Mobil Upstream Research Company) & C.E. Shuchart (ExxonMobil Development Company)	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>We LHR5 13 - Feasibility of High-resolution Fracture Characterization Using Waveform Inversion</b> - N. Masmoudi* (KAUST), I. Tsvankin (Colorado School of Mines) & T. Alkhalifah (KAUST)	<b>We SBT1 13 - Enzymatic CaCO3 for Proppant Consolidation</b> - B.D. Bansal (Maersk Oil & Gas A/S), M.L. Morkved (Maersk Oil & Gas A/S), A. Tuxen (Danish Technological Institute), T.B. Nielsen (Danish Technological Institute) & S. Bahrning* (Danish Technological Institute)	
15:55	<b>We LHR5 14 - Gassmann-consistent Born Inversion for Fracture Density</b> - M. Jakobsen* (University of Bergen) & I. Pilskog (University of Bergen and VISTA)	<b>We SBT1 14 - Successful Execution and Analysis of a Multi Stage Frac Treatment in a Horizontal Gas Well in the Grove Field, UK Southern North Sea</b> - K. van Gijtenbeek* (Halliburton), K. Taku (Halliburton), M.E. Langford (Centrica E&P) & C. Green (eFrac)	
16:20	<b>We LHR5 15 - The Effect of Multiples on Anisotropic Parameter Estimation</b> - A. Alshuhail* (Delft University of Technology) & D.J. Verschuur (Delft University of Technology)	<b>We SBT1 15 - Impact of Thermal Effect on the Fracture Plane and Formation Integrity During Cold Water Injection</b> - C. Makris (University of Aberdeen), O. Arogundade* (Schlumberger) & M. Zhiyenkulov (Schlumberger)	
16:45	<b>We LHR5 16 - Shear Wave Splitting and Fluid Flow in Highly Anisotropic Shale Gas Reservoirs</b> - A.F. Baird* (University of Bristol), J.M. Kendall (University of Bristol) & J. Budge (Nexen)	<b>We SBT1 16 - An Innovative Approach for RPM Gel Water Shut-off Simulation</b> - M. Jokari Sheshdeh* (Technical University of Clausthal), K.N. Awemo (DEA Deutsche Erdoel AG) & A. Yadav (DEA Deutsche Erdoel AG)	

## Oral presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Schubert 2		Schubert 3	
<b>CO2 SEQUESTRATION AND EOR (SPE)</b> <i>J.V. Ovens (JX Nippon Exploration and Production (UK) Ltd.) &amp; M. Brignoli (Eni S.p.A. E&amp;P)</i>		<b>UNCONVENTIONAL RESERVOIRS II</b> <i>G.T. Jackson (Weatherford International) &amp; B. Koehrer (Wintershall Holding GmbH)</i>	
08:30	<b>We SBT2 01 - Laboratory Review of Effect of Salinity on CO2 Storage Potential in Farnsworth Field</b> - E. Ennin* (New Mexico Institute of Mining and Technology), G. Reid (New Mexico Institute of Mining and Technology) & C. Petmecky (New Mexico Institute of Mining and Technology)	<b>We SBT3 01 - A New Lithology-brittleness Evaluation Method Based on Statistical Rock Physics - Combine Mineralogy and Elastic Modulus</b> - L. Wang* (China University of Petroleum (Beijing)) & F. Zhang (China University of Petroleum (Beijing))	
08:55	<b>We SBT2 02 - Performance of CO2-EOR and Storage Processes under Uncertainty</b> - W. Ampomah* (Petroleum Recovery Research Center), R.S. Balch (Petroleum Recovery Research Center), M. Cathar (Petroleum Recovery Research Center), R. Will (Schlumberger Carbon Services), S. Lee (Schlumberger Carbon Services) & Z. Dai (Los Alamos National Laboratory)	<b>We SBT3 02 - A New Brittleness Index and Its Application in DQ Oilfield for Tight Sand Oil Evaluation</b> - L. Li* (Petrochina), X.S. Sun (Petrochina) & X. Zhang (Petrochina)	
09:20	<b>We SBT2 03 - Lab Tests and Modeling of CO2 Injection in Chalk with Fracture-Matrix Transport Mechanisms</b> - M. Ghasemi* (Petrostreamz AS), W. Astutik (Petrostreamz AS), S. Alavian (Pera AS), C.H. Whitson (PERA AS/NTNU), L. Siagalas (Geological Survey of Denmark and Greenland), D. Olsen (Geological Survey of Denmark and Greenland) & V.S. Suicmez (Maersk Oil & Gas A/S)	<b>We SBT3 03 - What is the Fate of Fracture Fluid During Shale Gas Production?</b> - X. Wang* (Heriot-Watt University) & E. Mackay (Heriot-Watt University)	
09:45	<b>We SBT2 04 - Application of Polymer-gel Solutions in Remediation of CO2 Leakage in Storage Reservoirs</b> - M. Hadi Mosleh* (Imperial College London), R. Govindan (Imperial College London), J. Shi (Imperial College London), S. Durucan (Imperial College London) & A. Korre (Imperial College London)	<b>We SBT3 04 - The Effect of Water Saturation on Brittleness of Synthetic Shale with Different Diagenetic Pressure</b> - F. Gong* (China University of Petroleum), B.R. Di (China University of Petroleum), J.X. Wei (China University of Petroleum), S.Q. Chen (China University of Petroleum), X.Y. Luan (China University of Petroleum), P.B. Ding (China University of Petroleum), R. Peng (China University of Petroleum) & H. Li (China University of Petroleum)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>We SBT2 05 - Well Integrity Estimation of Salt Cements with Application to Long Term Underground Storage Systems</b> - C. Teodoriu* (University of Oklahoma), P.B. Asamba (Tu Clausthal) & A.C. Ichim (University of Oklahoma)	<b>We SBT3 05 - Studies of Influencing Factors for Shale Gas Reservoir Performance</b> - M.Z. Wei* (Missouri University of Science and Technology) & J. Wang (BGP, Inc., China National Petroleum Corporation)	
10:55	<b>We SBT2 06 - The Impact of Crude Oil Induced Wettability Alteration on Remaining Saturations of CO2 in Carbonates Reservoirs - A Core Flood Method</b> - A. Al-Menhali* (Imperial College London) & S. Krevor (Imperial College London)	<b>We SBT3 06 - Decline Curve Analysis for Two-phase Flow in Tight Gas Condensate Reservoirs</b> - C. Johnson* (Heriot-Watt University) & M. Jamiolahmady (Heriot-Watt University)	
11:20	<b>We SBT2 07 - Equation of State for Methane in Nanoporous Material at Supercritical Temperature over a Wide Range of Pressure</b> - K. Wu* (University of Calgary) & Z. Chen (University of Calgary)	<b>We SBT3 07 - Modeling of Methane Adsorption on Organic-Rich Shales</b> - Q. Xie (China University of Petroleum Beijing), R. Zhang (China University of Petroleum Beijing), F. Yang (China University of Petroleum Beijing) & D. Shuai* (China University of Petroleum Beijing / retired)	
11:45	<b>We SBT2 08 - How CO2 Storage Mechanisms are Different in Organic Shale - Characterization and Simulation Studies</b> - H. Pu (InPetro Technologies Inc), Y. Wang* (Texas A&M University at Qatar) & Y. Li (InPetro Technologies Inc)	<b>We SBT3 08 - Prediction of Coal Bed Gas Distribution Based on Prestack Elastic Parameters Inversion</b> - Y.P. Dong (China University of Petroleum, Beijing), H.D. Huang (China University of Petroleum, Beijing), W.T. Mu (China University of Petroleum, Beijing), D.D. Liu (China University of Petroleum, Beijing) & J.W. Zhang* (China University of Petroleum, Beijing)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>INTEGRATED DYNAMIC MODELLING II (SPE)</b> <i>J.V. Ovens (JX Nippon Exploration and Production (UK) Ltd.) &amp; T.M. Whittle (BG Group plc)</i>		<b>QUANTIFYING AND MANAGING UNCERTAINTY IN RESERVOIR MODELLING</b> <i>M. Sayyafzadeh (University of Adelaide)</i>	
13:30	<b>We SBT2 09 - Catalogue of Well Test Responses in a Fluvial Reservoir System</b> - J.L. Walsh* (Imperial College London) & A.C. Gringarten (Imperial College London)	<b>We SBT3 09 - Covering Geological Uncertainty in Polymer Injection Projects Using Multidimensional Scaling</b> - J. Peisker* (OMV), J. Nejedlik (OMV), M. Chiotoriou (OMV), T. Clemens (OMV) & M. Thiele (StreamSim)	
13:55	<b>We SBT2 10 - Multiwell Deconvolution for Shale Gas</b> - Y.X. Tung* (Imperial College London), C.J. Virues (Nexen ULC), J. Cumming (University of Durham) & A.C. Gringarten (Imperial College London)	<b>We SBT3 10 - Clustering of Geological Models for Reservoir Simulation Studies in a Visual Analytics Framework</b> - Z. Sahaf (University of Calgary), H. Hamdi* (University of Calgary), F. Maurer (University of Calgary), L. Nghiem (Computer Modelling Group Ltd) & M. Costa Sousa (University of Calgary)	
14:20	<b>We SBT2 11 - Asymptotic Solutions of the Diffusivity Equation and Its Applications</b> - Z. Wang (Texas A&M University), M.J. King* (Texas A&M University) & A. Datta-Gupta (Texas A&M University)	<b>We SBT3 11 - Observations from Systematic Depth Conversion Reviews - Biased Depth Estimates and the Impact on the Drilling Portfolio</b> - H.L.J.G. Hoetz* (EBN B.V.)	
14:45	<b>We SBT2 12 - Upscaling WFT Permeability Data - A Systematic Approach to Analyzing and Integrating Well Test Data from Wireline Formation Testers (WFT)</b> - S. Mkhize* (PetroSA), A.O. Aluko (PetroVision Energy Services) & A.C. Gringarten (Imperial College London)	<b>We SBT3 12 - Hierarchical Geological Realism for Reliable Reservoir Prediction</b> - A. Kuznetsova* (Heriot-Watt University), V. Demyanov (Heriot-Watt University) & M. Christie (Heriot-Watt University)	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>We SBT2 13 - Calibrating Geostatistical Models Using Pressure Transient Data</b> - H. Hamdi* (University of Calgary) & M. Costa Sousa (University of Calgary)	<b>We SBT3 13 - Using Value of Information for Planning Exploration</b> - A.V. Szykh* (Gazpromneft NTC), A.M. Vashevnik (Gazpromneft NTC), A.S. Goncharov (Gazpromneft NTC), B.V. Belozero (Gazpromneft NTC), S.A. Nekhaev (Gazpromneft NTC), O.T. Osmonaliev (Gazpromneft NTC) & M.N. Pislegin (Gazpromneft NTC)	
15:55	<b>We SBT2 14 - Temperature Transient Analysis of Slightly Compressible, Single-Phase Reservoirs</b> - M. Onur* (Istanbul Technical University) & M. Çınar (Istanbul Technical University)	<b>We SBT3 14 - Ensemble Sampling with EnKF for Fast and Efficient Uncertainty Quantification</b> - B. Kang* (Seoul National University), K. Lee (Korea Institute of Geoscience and Mineral Resource) & J. Choe (Seoul National University)	
16:20	<b>We SBT2 15 - Generally Applicable Method For Calculation Of The Matrix-fracture Fluid Transfer Rates</b> - Z.E. Heinemann (Mining University of Leoben) & G.M. Mittermeier* (Mining University of Leoben)	<b>We SBT3 15 - Study the Connectivity of Good Sands between two Wells Represented by Two Points Using Percolation Theory</b> - S. Sadeghnejad* (Tarbiat Modares University), M. Masihi (Sharif university of technology) & P.R. King (Imperial College)	
16:45	<b>We SBT2 16 - An Application of the Isogeometric Analysis Method to Reservoir Simulation</b> - E. Lynd* (University of Texas at Austin), J.T. Foster (University of Texas at Austin) & Q.P. Nguyen (University of Texas at Austin)		

## Oral presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

	Schubert 4	Schubert 5
	<b>NEAR SURFACE FOR HYDROCARBON EXPLORATION, INDUCED SEISMICITY</b> <i>A.L. Vesnaver (The Petroleum Institute) &amp; A. Jupe (Altcom Ltd)</i>	<b>FRACTURED AND CARBONATE RESERVOIRS</b> <i>S. Haq (Saudi Aramco)</i>
08:30	<b>We SBT4 01 - Full Wavefield Imaging of the Near Surface by Joint Migration Inversion</b> - S. Masaya* (Delft University of Technology) & D.J. Verschuur (Delft University of Technology)	<b>We SBT5 01 - Coupled Stress-fluid Pressure Modelling of Stimulated Rock Volume in Shale - Impact of Natural Fractures and Beef</b> - K. Bisdorff* (Delft University of Technology), E. Baud (Total Austral S.A., Buenos Aires, Argentina), S. Estrada (Total Austral S.A., Buenos Aires, Argentina), Y. Sanz-Peri (Total Austral S.A., Buenos Aires, Argentina), B. Gauthier (Total S.A., Paris, France) & G. Bertotti (Delft University of Technology)
08:55	<b>We SBT4 02 - P- and S-wave Direct Static Estimation from Surface Wave Dispersion Data</b> - L.V. Socco* (Politecnico di Torino), C. Comina (Università di Torino), F. Khosro Anjom (Politecnico di Torino) & T.O. Akintola (Politecnico di Torino)	<b>We SBT5 02 - Hydromechanical Simulation of Hydraulic Fracturing in Naturally Fractured Reservoir Using Strong Discontinuity Approach</b> - L.B. Beserra* (Federal University of Pernambuco), L.N. Guimaraes (Federal University of Pernambuco) & O.L. Manzoli (State University of São Paulo)
09:20	<b>We SBT4 03 - Simultaneous Joint Inversion for Near Surface Characterization - Improving from First Break Picking to Statics</b> - R. Badji (Sonatrach), M. Speziali (Schlumberger), A. Agoudjil (Sonatrach), M. Clementi (Schlumberger), M. Mantovani* (Schlumberger), C. Belguermi (Schlumberger), M. Benzaoui (Schlumberger), S. Bettoui (Sonatrach) & A. Hamdani (Schlumberger)	<b>We SBT5 03 - The Role of Pre-existing Fractures in Constraining Stimulations in the Reservoir</b> - T.I. Urbancic* (ESG Solutions), A. Baig (ESG Solutions) & G. Viegas Fernandes (ESG Solutions)
09:45	<b>We SBT4 04 - Separation and Extraction of Multi-modal Attenuation Coefficients from Surface Wave Data</b> - M.Y. Lin* (China University of Petroleum (East China)), C.Y. Sun (China University of Petroleum (East China)) & D.S. Wu (China University of Petroleum (East China))	<b>We SBT5 04 - Evaluating the Gap between Seismic-scale and Well-scale Observations of Structure - A North Sea Case Study</b> - R.M. Williams* (GeoTeric), E. Pascual-Cebrian (GeoSciences Ltd), G. Paton (GeoTeric) & J.C. Gutmanis (GeoSciences Ltd)
10:10	<b>Break</b>	<b>Break</b>
10:30	<b>We SBT4 05 - A Statistical Model for Seismic Hazard Assessment of Hydraulic-fracturing Induced Seismicity</b> - T. Hajati* (Freie Universität Berlin), C. Langenbruch (Stanford University) & S.A. Shapiro (Freie Universität Berlin)	<b>We SBT5 05 - A Workflow for Correlated Discrete Fracture Network Simulation Constrained by Microseismic Data</b> - F. Bonneau* (RING - Université de Lorraine), A. Pochet (Tecgraf PUC-Rio), G. Caumon (RING - Université de Lorraine) & P. Renard (Université de Neuchâtel)
10:55	<b>We SBT4 06 - Using Beam Forming to Maximise Event Detection Using Small Broadband Seismometer Arrays</b> - J.P. Verdon* (University of Bristol), J.M. Kendall (University of Bristol), S.P. Hicks (Guralp Systems) & P. Hill (Guralp Systems)	<b>We SBT5 06 - The Great Unknown in Fractured Reservoirs - The Impact of Three Models for Aperture and Flow in Fractured Reservoirs</b> - K. Bisdorff* (Delft University of Technology), G. Bertotti (Delft University of Technology) & H.M. Nick (Technical University of Denmark)
11:20	<b>We SBT4 07 - Modelling the Effect of Navigation Challenges and Positioning Error in Very High Resolution 3D Seismic Surveying</b> - N. Jones* (Shearwater Geophysical Company Ltd.)	<b>We SBT5 07 - Matrix-fracture Multipoint Statistics Modeling in Fractured Carbonate Reservoirs</b> - M.F. Leon Carrera* (Repsol CTR), A. Diaz Aguado (Repsol CTR) & P. Koryuzlov (Repsol CTR)
11:45	<b>We SBT4 08 - Fracrisk - Understanding, Preventing and Mitigating the Potential Environmental Impact and Risk of Shale Gas Exploration</b> - C.I. McDermott* (School of Geosciences Edinburgh University), G. Bokelmann (University of Vienna) & E. Caffagni (University of Vienna)	<b>We SBT5 08 - Modeling of a Naturally Fractured Carbonate Reservoir Based on Petrophysical Rock Types</b> - B. Koehrer* (Wintershall Holding GmbH), S. Salchenegger (Wintershall Holding GmbH), D. Degen (Wintershall Holding GmbH), J. Althoff (Wintershall Holding GmbH) & J. Dreier (Hess Denmark ApS)
12:10	<b>Lunch</b>	<b>Lunch</b>
	<b>INNOVATIVE TECHNOLOGIES I</b> <i>B. Poedjono (Schlumberger Oilfield Services) &amp; M. Jaya (SGS Horizon BV)</i>	<b>SEISMIC MODELLING II</b> <i>Q.Z. Du (China University of Petroleum)</i>
13:30	<b>We SBT4 09 - Provenance of Subsurface Data</b> - A. Al-Naser* (Saudi Aramco)	<b>We SBT5 09 - Optimized Equivalent Staggered Grid Finite Difference for Acoustic Modeling</b> - P. Yong* (China University of Petroleum (East China)), J.P. Huang (China University of Petroleum (East China)), Z.C. Li (China University of Petroleum (East China)), L.P. Qu (China University of Petroleum (Beijing)) & Q.Y. Li (China University of Petroleum (East China))
13:55	<b>We SBT4 10 - Using Hybrid Propulsions Autonomous Marine Vehicles to Better Characterized Geomagnetic Fields Offshore</b> - B. Poedjono* (Schlumberger), S. Pai (Liquid Robotic Oil and Gas) & S. Maus (Magnetic Variations LLC)	<b>We SBT5 10 - Acoustic Wave Equation Forward Modeling with a New Kind of Mixed-grid Finite-difference Methods in Time-space Domain</b> - Z.D. Hu* (NWGI, PetroChina), W. Liu (NWGI, PetroChina), S.J. Wang (NWGI, PetroChina), Y.C. Wang (NWGI, PetroChina) & L.H. Han (NWGI, PetroChina)
14:20	<b>We SBT4 11 - Airborne Mapping and Environmental Geophysics with a Fixed-wing Frequency-domain Electromagnetic System</b> - G. Hodges* (Sander Geophysics Ltd), S. Sander (Sander Geophysics) & M. Argyle (Sander Geophysics)	<b>We SBT5 11 - An Explicit Time Evolution Method for 3D Acoustic Wave Propagation Based on Staggered Grids</b> - L.P. Qu* (China University of Petroleum(Beijing)), Y. Liu (China University of Petroleum(Beijing)) & P. Yong (China University of Petroleum (East China))
14:45	<b>We SBT4 12 - Simulating Geophysical Models through Fractal Algorithms</b> - M. De Stefano* (Schlumberger)	<b>We SBT5 12 - Exact Wavefield Reconstruction on Finite-difference Grids with Minimal Memory Requirements</b> - M.L. Vasmel* (Institute of Geophysics, ETH Zurich) & J.O.A. Robertsson (Institute of Geophysics, ETH Zurich)
15:10	<b>Break</b>	<b>Break</b>
15:30	<b>We SBT4 13 - Current and Potential Uses of a Custom-made <i>in situ</i> Raman Spectrometer for Deep-sea Applications</b> - E. Rinnert* (IFREMER), F. Colas (IFREMER), M. Tardivel (IFREMER), O. Péron (IFREMER), L. Ruffine (IFREMER), S. Vergnole (HORIBA Scientific) & E. Froigneux (HORIBA Scientific)	<b>We SBT5 13 - Finite Difference Modelling of Wavefield Constituents</b> - J.O.A. Robertsson (ETH Zurich), D.J. van Manen (ETH Zurich), C. Schmelzbach (ETH Zurich), C. Van Renterghem* (ETH Zurich), M. Vasmel (ETH Zurich) & L. Amundsen (NTNU and Statoil Research Centre Trondheim)
15:55	<b>We SBT4 14 - Surface Displacements around the Geothermal Power Plant of Landau (Germany)</b> - C. Heimlich (University of Strasbourg (EOST)) & F. Masson* (University of Strasbourg (EOST))	<b>We SBT5 14 - High-order Time Integrations in Staggered Finite-difference Simulations of Wave Motion</b> - O. Rojas* (Barcelona Supercomputing Center), J. de la Puente (Barcelona Supercomputing Center) & J.M. Cela (Barcelona Supercomputing Center)
16:20	<b>We SBT4 15 - High Sensitivity FBG Accelerometer with Stiffness Adjustment</b> - L.F. Fueyo* (University of Brussels (ULB)), F.F. Francqui (University of Brussels) & C.C. Collette (University of Brussels (ULB))	<b>We SBT5 15 - Modelling Elastic Wave Propagation Using A New Wave Equation and Temporal Fourth-order Finite-difference Method</b> - H. Zhou (China University of Petroleum), H. Chen* (China University of Petroleum), N. Wang (China University of Petroleum) & Y. An (China University of Petroleum)
16:45		<b>We SBT5 16 - An Optimal Staggered-grid Finite Difference Scheme Using Minimax Approximation for Elastic Modeling</b> - L. Yang* (Institute of Geology and Geophysics, CAS), H. Yan (Institute of Geology and Geophysics, CAS) & H. Liu (Institute of Geology and Geophysics, CAS)



## Oral presentations Wednesday 1 June

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	<b>Stolz 0</b>	<b>Stolz 1</b>
	<b>ROCK PHYSICS II</b> <i>P.A.F. Christie (Schlumberger)</i>	<b>SEISMIC INTERPOLATION AND REGULARIZATION</b> <i>D.J. Verschuur (Delft University of Technology) &amp; R.F. Hegge (Petroleum Geo-Services)</i>
08:30	<b>We STZ0 01 - Petrophysical and Acoustic Properties of Mechanically Compacted Shales - Evaluating Two Barents Sea Top Seal Sequences</b> - M. Nooraiepour* (University of Oslo) & N.H. Mondol (University of Oslo and Norwegian Geotechnical Inst)	<b>We STZ1 01 - Irregular Spatial Sampling and Rank-reduction - Interpolation by Joint Low-rank and Sparse Inversion</b> - R. Sternfels* (CGG), A. Prescott (CGG), G. Pignot (CGG), L. Tian (CGG) & D. Le Meur (CGG)
08:55	<b>We STZ0 02 - Predicting Electrical Anisotropy in the Barents Sea Using Multivariate Statistics</b> - A.G. Alvarez (Rock Solid Images), M. Ellis (Rock Solid Images), L. MacGregor* (Rock Solid Images) & R. Ackermann (Rock Solid Images)	<b>We STZ1 02 - Applications of 3D Multiple Frequency High-order Parabolic Radon Transform in Amplitude-preserved Data Regularization</b> - H.H. Tang (RCEG, SKLGED, Inst. of Geodesy & Geophysics, CAS), Q.R. Xu* (RCEG, SKLGED, Inst. of Geodesy & Geophysics, CAS) & W.J. Mao (RCEG, SKLGED, Inst. of Geodesy & Geophysics, CAS)
09:20	<b>We STZ0 03 - Recovery of Transport and Geometrical Properties of Rock by Statistical Analysis of Microtomographic Images</b> - Y. Bazaikin (Institute of Mathematics SB RAS, Russia), B. Gurevich (Curtin University and CSIRO Energy, Australia), T. Khachkova* (Institute of Petroleum Geology & Geophysics SB RAS), D.R. Kolyukhin (Institute of Petroleum Geology & Geophysics SB RAS), M. Lebedev (Curtin University, Australia), V.V. Lisitsa (Institute of Petroleum Geology & Geophysics SB RAS) & V.A. Tcheverda (Institute of Petroleum Geology & Geophysics SB RAS)	<b>We STZ1 03 - Interpolation in Presence of Diffracted Energy via a Stolt Dictionary with Sparsity Constraints</b> - A. Ibrahim (University of Alberta), P. Terenghi (PGS) & M.D. Sacchi* (University of Alberta)
09:45	<b>We STZ0 04 - Link between Systematic Deviation between First-break Velocity &amp; Phase Velocity and Heterogeneities in Rocks</b> - N. Dubos-Sallée (IFP Energies Nouvelles), P.N.J. Rasolofosaon* (IFP Energies Nouvelles), G. Etienne (IFP Energies Nouvelles), V. Poitribeau (IFP Energies Nouvelles) & E. Bemer (IFP Energies Nouvelles)	<b>We STZ1 04 - Deterministically Subsampled Acquisition Geometries for Optimal Reconstruction</b> - H. Jamali-Rad* (Shell Global Solutions International B.V.), B. Kuvshinov (Shell Global Solutions International B.V.), Z. Tang (Shell Global Solutions International B.V.) & X. Campman (Shell Global Solutions International B.V.)
10:10	<b>Break</b>	<b>Break</b>
10:30	<b>We STZ0 05 - 3D Rock Physics Template for Anisotropic Formations - Application to the Study of Shale</b> - M. Adelinet (IFP Energies Nouvelles) & P.N.J. Rasolofosaon* (IFP Energies Nouvelles)	<b>We STZ1 05 - Data Reconstruction on Land Seismic Data using Paired Bunched Geophone Groups</b> - W. Gamal Eldin (Schlumberger), D. Yanchak (Apache), Z. Yan (Schlumberger) & M.A. Schonewille* (Schlumberger)
10:55	<b>We STZ0 06 - Experimental Rock Deformation under Micro-CT - Two New Apparatuses for Rock Physics</b> - N. Tisato (University of Texas at Austin), Q. Zhao (University of Toronto) & G. Grasselli* (University of Toronto)	<b>We STZ1 06 - Iterative Reconstruction of 3D Seismic Data via Multiple Constraints</b> - D. Zhang* (China University of Petroleum (Beijing)), Y. Chen (The University of Texas at Austin) & S. Gan (China University of Petroleum (Beijing))
11:20	<b>We STZ0 07 - An Acoustic Velocity Model for Heavy Oil Sand</b> - X.H. Han (China University of Petroleum (East China)), J.X. Guo* (China University of Petroleum (East China)), F.B. Li (China University of Petroleum (East China)) & E.F. Wu (China University of Petroleum (East China))	<b>We STZ1 07 - Power of the Azimuth - How to Get the Most out of your Full Azimuth Survey - A Case Study from Australia</b> - A. Poole* (Schlumberger), P. Bilsby (Schlumberger), J. Graham (Schlumberger) & M. Giles (Santos)
11:45	<b>We STZ0 08 - Model-based Estimation of Rock Strength from Seismic Velocity</b> - T. Takahashi* (Fukada Geological Institute)	<b>We STZ1 08 - Angle Gathers and Images from Sparse OBN Data</b> - P.C. Docherty* (FairfieldNodal) & W.A. Schneider Jr. (FairfieldNodal)
12:10	<b>Lunch</b>	<b>Lunch</b>
	<b>ROCK PHYSICS III - INTERPRETATION AND STRESS DEPENDENCY</b> <i>A.J. van Wijngaarden (Statoil ASA) &amp; J.P. Neep (Ikon Science)</i>	<b>SEISMIC SIGNAL PROCESSING - TEMPORAL AND SPATIAL RESOLUTION I</b> <i>M.A. van der Baan (University of Alberta) &amp; C. Kostov (Schlumberger)</i>
13:30	<b>We STZ0 09 - Diagnostics of Seismic Signatures of the Burial History of the Hoop Complex, Barents Sea</b> - R. Tømmerbakke* (University of Bergen), T.A. Johansen (University of Bergen) & N.E. Bakke (University of Bergen)	<b>We STZ1 09 - Modified Sparse Multichannel Blind Deconvolution</b> - N. Kazemi* (University of Alberta), A. Gholami (University of Tehran) & M.D. Sacchi (University of Alberta)
13:55	<b>We STZ0 10 - New Technique for Rock Physics Prediction Based on the Seismic Interpretation</b> - B. Luquet* (Eliis), T. Valding (Eliis), F. Cubizolle (Eliis) & N. Daynac (Eliis)	<b>We STZ1 10 - A Nonstationary Sparsity Deconvolution Method and Its Application</b> - T. Peng (China University of Petroleum, Beijing) & S.Z. Sun* (China University of Petroleum, Beijing)
14:20	<b>We STZ0 11 - Hidden Secrets in the Destructive Interference Zone</b> - AS Selnes* (Selnes Geoscience Consulting AS) & O.F. Odd Fuglestad (Capricorn Norge AS)	<b>We STZ1 11 - Sparsity Enhanced Wavelet Deconvolution</b> - R. Ferber* (ETH Zurich) & E. Momoh (IPGP)
14:45	<b>We STZ0 12 - Rock Physics Templates for Thin Sands Reservoirs - An Approach for Upscaled RPTs</b> - W. Marin* (Rock Solid Images) & P. Vera De Newton (Rock Solid Images)	<b>We STZ1 12 - A Fast and Robust Sparse Time-invariant Radon Transform Based on 2D Alternating Split Bregman Algorithm</b> - Y.Q. Zhang (Tsinghua University), W.K. Lu (Tsinghua University) & B. Wang* (Tsinghua University)
15:10	<b>Break</b>	<b>Break</b>
15:30	<b>We STZ0 13 - Resistivity and Acoustic Impedance based Rock Physics Templates for Enhanced Well Placement and Reservoir Understanding</b> - N. Tucovic* (Montanuniversitaet Leoben), A. Bartetzko (Baker Hughes), S. Wessling (Baker Hughes), J. Schoen (Montanuniversitaet Leoben) & N. Gegenhuber (Montanuniversitaet Leoben)	<b>We STZ1 13 - Inversion-based Directional Deconvolution to Remove the Effect of Geophone Array</b> - G.F. Li (China University of Petroleum-Beijing), J.J. Wang* (China University of Petroleum-Beijing), H. Zheng (China University of Petroleum-Beijing), W. Huang (China University of Petroleum-Beijing), M. Ma (China University of Petroleum-Beijing) & Y.M. Zhao (China University of Petroleum-Beijing)
15:55	<b>We STZ0 14 - The Importance of Overburden Stress Path in Assessment of Stress Dependence for 4D Applications</b> - R.M. Holt* (NTNU (Norwegian University of Science & Technology)), A. Bauer (SINTEF Petroleum Research & NTNU) & A. Bakk (SINTEF Petroleum Research)	<b>We STZ1 14 - Application of Variational Mode Decomposition in Random Noise Attenuation and Time-frequency Analysis of Seismic Data</b> - W. Liu (China University of Petroleum - Beijing), S. Cao (China University of Petroleum - Beijing), Y. Chen (University of Texas at Austin) & D. Zhang* (China University of Petroleum - Beijing)
16:20	<b>We STZ0 15 - Experimental Determination of the Stress Sensitivity of Elastic Wave Dispersion in a Fluid-saturated Cracked Rock</b> - J. Sarout* (CSIRO), E. Cazes (CSIRO), C. Delle Piane (CSIRO), A. Arena (CSIRO) & L. Esteban (CSIRO)	<b>We STZ1 15 - Compressed Sensing Based Sparse Pseudo-orthogonal Radon Transform</b> - W.J. Xu (Tongji University), B. Feng* (Tongji University), H.Z. Wang (Tongji University) & J.F. Yin (Tongji University)
16:45	<b>We STZ0 16 - Probabilistic Comparison of Stress Dependent Rock Physics Models</b> - D.A.C. Angus* (University of Leeds)	<b>We STZ1 16 - Mixed-phase Wavelet Estimation by Cumulant Matching in One of Hydrocarbon Fields of Iran</b> - E. Vosoughi* (Amirkabir University of Technology, Tehran, Iran), H. Karbalaali (Amirkabir University of Technology, Tehran, Iran) & A. Javaherian (Amirkabir University of Technology, Tehran, Iran)



## Oral presentations Wednesday 1 June

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Stolz 2		Strauss 1	
<b>SOURCE ROCKS AND PETROLEUM SYSTEMS I</b> <i>B.P. Wygrala (Schlumberger)</i>		<b>EXECUTIVE SESSION ON 'THE BLACK SEA - REGIONAL FOCUS'</b> <i>J.J. Martín Bañón (REPSOL), G. Tari (OMV Upstream)</i>	
08:30	<b>We STZ2 01 - Rockall Basin Revisited - Looking for Analogues of Dooish and Benbecula from a Petroleum System Modelling Perspective</b> - O. Schenk* (Schlumberger), A. Karvelas (Schlumberger) & O. Shtukert (Schlumberger)	08:30 - 11:30	G. Ingram (OMV) G. Ionescu (Petrom) J. Konstanty (Shell) G. Tatishvili
08:55	<b>We STZ2 02 - Decreasing Petroleum System Risk in Frontier Exploration through Intelligent Seabed Coring and Subsequent Geochemical An</b> - N. Carey* (MG3 (Survey) UK Ltd), J. Carter (Nalcor Energy - Oil and Gas), M. DeCoster (Amplified Geochemical Imaging LLC) & R. Schrynmeeckers (Amplified Geochemical Imaging LLC)		
09:20	<b>We STZ2 03 - Conventional and Unconventional Petroleum System in the Dniepr-Donets Basin, Ukraine</b> - D. Misch* (Montanuniversitaet Leoben), R.F. Sachsenhofer (Montanuniversitaet Leoben), D. Groß (Montanuniversitaet Leoben), N. Mahlstedt (GFZ Potsdam) & A. Bechtel (Montanuniversitaet Leoben)		
09:45	<b>We STZ2 04 - Combining Petrophysical and Seismic Data to Assess Source Rocks - A Case Study from the Upper Jurassic of the North Sea</b> - B.B. Badics* (DEA E&P Norway), S.M. Sean Mackie (DEA E&P Norway) & A.A. Avu (E.ON E&P UK)		
10:10	<b>Break</b>		
10:30	<b>We STZ2 05 - Source Rock Maturity from Seismic Data - Low-velocity Anomalies as Potential Indicators of Hydrocarbon Generation</b> - K.J. Andresen* (Aarhus University), A. Uldal (Maersk Oil), H. Krabbe (Maersk Oil), N.H. Schødt (Maersk Oil), A. Juhasz (Maersk Oil) & P. Christian (Maersk Oil)		
10:55	<b>We STZ2 06 - Petroleum Systems Modelling Offshore Mozambique - Why Is there Gas and where Is the Oil?</b> - K. Kornpohl* (Schlumberger), E. Hollebeek (Schlumberger) & O.N. Osicki (Schlumberger)		
11:20	<b>We STZ2 07 - Hydrocarbon Alteration - A Case Study from the Vienna Basin</b> - B.J. Rupperecht* (Montanuniversitaet Leoben) & R.F. Sachsenhofer (Montanuniversitaet Leoben)		
12:10	<b>Lunch</b>		
	<b>MICROSEISMIC EVENT DETECTION AND ANALYSIS</b> <i>D.J. Gajewski (University of Hamburg)</i>		<b>RIFT SYSTEMS AND PASSIVE MARGINS TECTONICS AND SEDIMENTATION</b> <i>C. Guerra (Repsol) &amp; I. Guerra (Schlumberger Geosolutions)</i>
13:30	<b>We STZ2 09 - Enhanced Detection and Location of Microseismic Events Using a Novel Matched Filtering Method</b> - E. Caffagni* (University of Vienna) & D.W. Eaton (University of Calgary)		<b>We SRS1 09 - Structure of the Central Atlantic Conjugate Passive Margins and their Associated Sedimentary Basins</b> - F. Klingelhoefer* (Ifremer), Y. Biari (Ifremer), M. Benabdellouahed (Univ. of Brest), D. Aslanian (Ifremer), M. Sahabi (Univ. El Jadida), M. Schnabel (BGR), T. Funck (GEUS), L. Matias (Univ. Lisbon), M.A. Gutscher (Univ. of Brest), C. Reichert (BGR) & J.A. Austin (UTIG)
13:55	<b>We STZ2 10 - Comparison of Microseismic Events Concurrently Acquired with Geophones and hDVS</b> - D. Molteni* (Schlumberger), M. Williams (Schlumberger) & C. Wilson (Schlumberger)		<b>We SRS1 10 - New Insights into the Slope and Deep Water Regions of the Southern Grand Banks Area, Offshore Newfoundland, Canada</b> - DM Norris* (Nalcor Energy)
14:20	<b>We STZ2 11 - Sparse Surface Monitoring of Hydraulic Fracture Operations</b> - A. Law (Nanometrics, Inc.), S. Karimi (Nanometrics, Inc.), D. Baturan* (Nanometrics, Inc.), B. Batlai (Canbriam Energy, Inc.), H. Martinez (Canbriam Energy, Inc.) & J. Nieto (Canbriam Energy, Inc.)		<b>We SRS1 11 - 3D Visualization of Miocene Tectonic Subsidence in the Northern and Central Vienna Basin Using BasinVis 1.0</b> - E.Y. Lee* (University of Vienna), J. Novotny (Brown University) & M. Wagneich (University of Vienna)
14:45	<b>We STZ2 12 - Toward an Optimized Data Conditioning for Surface-acquired Microseismic Data</b> - A. Gendrin* (Schlumberger Gould Research), A. Özbek (Schlumberger Gould Research), T. Probert (Schlumberger Gould Research), I. Bradford (Schlumberger Gould Research) & J. Le Calvez (Schlumberger)		<b>We SRS1 12 - Imaging Hydrothermal Circulation Paths along the East Pacific Rise Using Elastic Wave-equation Based Inversion Technique</b> - M. Marjanovic* (Institut de Physique du Globe de Paris (IPGP)), N. Fuji (IPGP), S.C. Singh (IPGP) & T. Belahi (IPGP)
15:10	<b>Break</b>		<b>Break</b>
15:30	<b>We STZ2 13 - Attenuation from Microseismic Datasets by the Peak Frequency Method Benchmarked with the Spectral Ratio Method</b> - M. Wcislo (IRSM, ASCR) & L. Eisner* (Seismik s.r.o.)		<b>We SRS1 13 - 2D Cross-section Restoration in the Onshore Nile Delta, Egypt</b> - N. Huebner* (DEA Deutsche Erdoel AG)
15:55	<b>We STZ2 14 - Fracture Zone Characterization by Quantitative Analysis of Reflected Phases from Microseismic Waveform data</b> - A. Oelke* (Freie Universitaet Berlin), S. Gutjahr (Freie Universitaet Berlin), J. Kummerow (Freie Universitaet Berlin), A. Reshetnikov (Freie Universitaet Berlin), H. Asanuma (AIST, Japan), M. Häring (Geo Explorers Ltd.) & S.A. Shapiro (Freie Universitaet Berlin)		<b>We SRS1 14 - Tectonostratigraphic Evolution of the Outboard North Congo and South Gabon Basins and its Implication on Pre-salt Play</b> - F.S. Mustapha* (Petronas), A.K. Upadhyay (Petronas) & S. Doublet (Beicip-Franlab)
16:20	<b>We STZ2 15 - Rupture Complexities of Fluid Induced Microseismic Events</b> - J. Folesky* (Freie Universitaet Berlin), J. Kummerow (Freie Universitaet Berlin), S.A. Shapiro (Freie Universitaet Berlin), M. Haering (Geothermal Explorers Ltd.) & H. Asanuma (AIST, Japan)		<b>We SRS1 15 - Wilson Cycles and the Opening of the North Atlantic &amp; Norwegian – Greenland Sea</b> - C.C. Parry* (DEA E&P Norge AS)
16:45	<b>We STZ2 16 - Stress Release Characteristics of Injection-induced Seismicity and Implications for Regulatory Approaches</b> - K. Bosman* (ESG Canada Inc.), A. Baig (ESG Canada Inc.), T. Urbancic (ESG Canada Inc.), G. Viegas (ESG Canada Inc.) & S. Bowman-Young (ESG Canada Inc.)		<b>We SRS1 16 - Quantitative Study on Activity Intensity of the Growth Faults and its Hydrocarbon Accumulation Significations in Muglad</b> - J. Li* (PetroChina Research Institute of Expl. & Developm.), G.P. Chen (PetroChina Research Institute of Expl. & Developm.), R.K. Wu (Greater Pioneer Operating Company, South Sudan), Y.P. Su (PetroChina Research Institute of Expl. & Developm.) & B. Zhang (PetroChina Research Institute of Expl. & Developm.)

## Oral presentations Wednesday 1 June

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Strauss 2		Strauss 3	
<b>FULL WAVEFORM INVERSION II - INVERSION STRATEGIES</b> <i>M. Charara (Skolkovo Institute of Science and Technology)</i>		<b>ADVANCED IMAGING INCLUDING ELASTIC, ANISOTROPIC AND Q EFFECTS</b> <i>M. Ravasi (Statoil ASA)</i>	
08:30	<b>We SRS2 01 - Subsea Karst Detection and Imaging Improvement Using Full Waveform Inversion</b> - F. C. Loh* (CGG), B.L. Chuah (CGG), J. Zhou (CGG), T. Manning (BP), S. Wolfarth (BP) & D. Priyambodo (BP)		<b>We SRS3 01 - Acoustic-elastic Coupled Equation for OBS Data Scalar-based Elastic RTM</b> - P.F. Yu* (Tongji University), J.H. Geng (Tongji University), X.B. Li (Tongji University), C.L. Wang (Tongji University) & X.H. Yang (Sinopec Geophysical research institute)
08:55	<b>We SRS2 02 - Stochastic FWI on Wide-angle Land Data with Different Order of Approximation of the 2D Acoustic Wave Equation</b> - B. Galuzzi* (University of Milan), A. Tognarelli (University of Pisa), E. Stucchi (University of Milan) & A. Mazzotti (University of Pisa)		<b>We SRS3 02 - A Method for Fast Elastic Wave Imaging</b> - L.P. Qu* (China University of Petroleum (Beijing)), Y. Liu (China University of Petroleum(Beijing)) & P. Yong (China University of Petroleum (East China))
09:20	<b>We SRS2 03 - Crustal-scale Imaging from Ultra-long Offset Node Data by Full Waveform Inversion - How to Do It Right?</b> - A. Górszczyk* (Institute of Geophysics Polish Academy of Sciences), M. Malinowski (Institute of Geophysics Polish Academy of Sciences) & S. Operto (Géozaur, CNRS, Université Nice Sophia Antipolis)		<b>We SRS3 03 - Elastic Reverse-time Migration Using an Efficient Staggered-grid Finite-difference Scheme</b> - H. Yan (British Geological Survey & IGGCAS), L. Yang (Chinese Academy of Sciences), H. Dai* (British Geological Survey) & X.Y. Li (British Geological Survey)
09:45	<b>We SRS2 04 - Efficiently Using Full-waveform Inversion in the Velocity Model Building Flow</b> - D. Vigh (Schlumberger), K. Jiao (Schlumberger), X. Cheng (Schlumberger), D. Sun (Schlumberger), J. Kapoor (Schlumberger) & O. Lewis* (Schlumberger)		<b>We SRS3 04 - Stable Simulating Algorithm of Pure Quasi-P Wavefield in Complex Anisotropic Media</b> - S.H. Hu* (NWGI, PetroChina), X.W. Wang (NWGI, PetroChina), J.Q. Sun (NWGI, PetroChina), W.M. Liu (NWGI, PetroChina) & S.T. Zang (NWGI, PetroChina)
10:10	Break		Break
10:30	<b>We SRS2 05 - An Optimal Parameterization for Full Waveform Inversion in Anisotropic Media</b> - T. Alkhalifah* (KAUST) & A. Guitton (Geo Imaging Solutions, Inc.)		<b>We SRS3 05 - 3D Anisotropic Gaussian Beam True-amplitude Depth Imaging of Seismic Data</b> - M. Protasov* (IPGG SB RAS, Novosibirsk State University), I. Silvestrov (IPGG SB RAS), V. Tchervreda (IPGG SB RAS), N. Isakov (Ltd InGeoService) & A. Pravduhin (Ltd InGeoService)
10:55	<b>We SRS2 06 - Full-waveform Inversion in an Anisotropic Elastic Earth - Can We Isolate the Role of Density and Shear Wave Velocity?</b> - A. Guitton* (Geomaging Solutions - Colorado School of Mines) & T. Alkhalifah (KAUST)		<b>We SRS3 06 - Development and Analysis of a True Amplitude Imaging Condition for Reverse-time Migration in Anisotropic Media</b> - J.B. Laurent* (Opera- Applied Geophysical Research Group), V. Duprat (Opera- Applied Geophysical Research Group) & R. Baina (Opera- Applied Geophysical Research Group)
11:20	<b>We SRS2 07 - Elastic Reflection Based Waveform Inversion in Isotropic Media</b> - Q. Guo* (King Abdullah University of Science & Technology) & T. Alkhalifah (King Abdullah University of Science & Technology)		<b>We SRS3 07 - Viscoacoustic VTI Least Square Reverse Time Migration</b> - Y.M. Qu* (China University of Petroleum), Z.C. Li (China University of Petroleum), J.P. Huang (China University of Petroleum) & J.L. Li (China University of Petroleum)
11:45	<b>We SRS2 08 - Full Waveform Inversion Using Oriented Time-domain Imaging Method for VTI Medium</b> - Z. Zhang* (KAUST) & T. Alkhalifah (KAUST)		<b>We SRS3 08 - Reverse-time Migration with Spatially Variable Q</b> - C. Ning* (Imperial College London) & Y. Wang (Imperial College London)
12:10	Lunch		Lunch
<b>SEISMIC IMAGING THEORY - ADVANCES IN LEAST SQUARES MIGRATION</b> <i>P.C. Sava (Colorado School of Mines) &amp; H. Chauris (Mines ParisTech)</i>		<b>BROADBAND PROCESSING OF SINGLE COMPONENT DATA</b> <i>P.M. Fontana (Polarcus DMCC)</i>	
13:30	<b>We SRS2 09 - Least-squares Reverse Time Migration with Variable Density</b> - J.Z. Yang* (Tongji University), Y.Z. Liu (Tongji University) & L.G. Dong (Tongji University)		<b>We SRS3 09 - Phase-shift De-ghosting</b> - S. Grion* (Dolphin Geophysical Limited), R. Telling (Dolphin Geophysical Limited) & S. Holland (Dolphin Geophysical Limited)
13:55	<b>We SRS2 10 - Least Squares Reverse Time Migration with Model Space Preconditioning and Exact Forward/Adjoint Pairs</b> - L. Xu* (University of Alberta) & M.D. Sacchi (University of Alberta)		<b>We SRS3 10 - Single-component Deghosting Using a Data Adaptive Energy Minimization Approach</b> - Y.I. Kamil* (Schlumberger), M.G. Schuberth (formerly Schlumberger, now Statoil), P. Caprioli (Schlumberger), D.J. van Manen (ETH Zürich) & M. Vassallo (Schlumberger)
14:20	<b>We SRS2 11 - Adaptive Least-squares RTM for Subsalt Imaging</b> - C. Zeng (TGS), S. Dong (TGS), B. Wang (TGS) & Z. Zhang* (TGS)		<b>We SRS3 11 - Multi-survey Matching of Marine Towed Streamer Data Using a Broadband Workflow - A Shallow Water Offshore Gabon Case Study</b> - N. Payne (ION), T. Martin (ION (now at PGS)), J. Denly (ION), R. Afrazmanech (Perenco UK) & J. Brittan* (ION)
14:45	<b>We SRS2 12 - An Efficient Least-squares Reverse-time Migration Using True-amplitude Imaging Condition as an Optimal Preconditioner</b> - V. Duprat* (OPERA) & R. Baina (OPERA)		<b>We SRS3 12 - Simultaneous Source Designature and Receiver Deghosting in the Joint Shot-receiver Domain</b> - G. Poole* (CGG), S. King (CGG) & J. Cooper (CGG)
15:10	Break		Break
15:30	<b>We SRS2 13 - Least-squares Reverse Time Migration for Blended Data with a Local Low-rank Constraint</b> - K. Xiang* (China University of Petroleum-Beijing), X. Chen (China University of Petroleum-Beijing), H. Chen (China University of Petroleum-Beijing) & Y. Chen (The University of Texas at Austin)		<b>We SRS3 13 - Utilization of Ghost Reflections by Echo-deblending</b> - A.J. Berkhout (Delft University of Technology) & G. Blacquiere* (Delft University of Technology)
15:55	<b>We SRS2 14 - Double Plane Wave Least Squares Reverse Time Migration with Approximate Diagonal Hessian</b> - Z. Zhao* (The University of Texas at Austin) & M. Sen (The University of Texas at Austin)		<b>We SRS3 14 - Data Dependent Adaptive Deghosting - Application to Vintage Data</b> - A. Raj (Schlumberger), A. Anantan (Schlumberger), A. Zarkhidze (Schlumberger), J. Rickett (Schlumberger), T. Brice (Schlumberger) & C. Cunnell* (Schlumberger)
16:20	<b>We SRS2 15 - Least-squares Generalized Interferometric Multiple Imaging</b> - A. Aidawood* (King Abdullah University of Science & Technology), I. Hoteit (King Abdullah University of Science and Technology) & T. Alkhalifah (King Abdullah University of Science and Technology)		<b>We SRS3 15 - A 3D Deghosting Solution for Pressure-only Measurements of Conventional Towed Streamer Data</b> - Y. Wang* (Statoil), A.C. Ramirez (Statoil) & S. Nag (Statoil)
16:45	<b>We SRS2 16 - Imaging Primaries, Multiples or Both?</b> - M.V. Davydenko* (Delft University of Technology) & D.J. Verschuur (Delft University of Technology)		<b>We SRS3 16 - Source De-ghosting and Directional Designature Using Near-field Derived Airgun Signatures</b> - N. Hargreaves* (Red Corner Geophysical), R. Telling (Dolphin Geophysical) & S. Grion (Dolphin Geophysical)

## e-Poster presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

e-Posters 1		e-Posters 2	
<b>BROADBAND ACQUISITION AND PROCESSING</b> <i>J.J.P. Postel (Sercel) &amp; R.G. Williams (Dolphin Geophysical Limited)</i>		<b>SEISMIC RESERVOIR CHARACTERIZATION (A) - CASE STUDIES</b> <i>T. Cadoret (Total)</i>	
08:30	<b>We P1 01 - Nonlinear Deghosting Based on the T-matrix Method</b> - B.F. Wang* (Tsinghua University/CUPB), R.S. Wu (University of California, Santa Cruz), X.H. Chen (China University of Petroleum, Beijing), W.K. Lu (Tsinghua University) & G.C. Liu (China University of Petroleum, Beijing)	<b>We P2 01 - Seismic Stochastic Inversion Based on the Lateral Constraint</b> - C.J. Liu* (China University of Petroleum (East China)), X.Y. Yin (China University of Petroleum (East China)) & B.L. Wang (China University of Petroleum (East China))	
08:55	<b>We P1 02 - Statistical Source- and Receiver-side Deghosting</b> - M.S. Denisov* (Geolab) & A.E. Firsov (Geolab)	<b>We P2 02 - Detection and Stochastic Modeling of Sand Bodies</b> - A. Sharma* (Schlumberger) & L. Schulte (Schlumberger)	
09:20	<b>We P1 03 - Deghosting for Seismic Data Recorded with Arbitrary Streamer Geometry</b> - A.A. Egorov* (GEOLAB) & M.S. Denisov (GEOLAB)	<b>We P2 03 - Probabilistic Mechanical Stratigraphy from Seismic Inversion - A Case Study from the Vaca Muerta Shale, Argentina</b> - J. Fernandez-Conchoso* (Colorado School of Mines) & T.L. Davis (Colorado School of Mines)	
09:45	<b>We P1 04 - An Experimental Research of Multi-level Airgun Array</b> - Z. Liu* (BGP Marine, CNPC), H.Y. Quan (BGP Marine, CNPC), M.X. Luo (BGP Marine, CNPC), X.B. Wei (BGP Marine, CNPC) & Z.H. Xu (BGP Marine, CNPC)	<b>We P2 04 - Rock Property Volume Estimation Using the Multi-attribute Rotation Scheme (MARS) - Case Study in the South Falkland Basin</b> - P.K. Alvarez* (Rock Solid Images), B. Farrer (Borders & Southern Petroleum), M. Suda (Rock Solid Images) & D. Oyetunji (Rock Solid Images)	
10:10	Break	Break	
<b>FULL WAVEFORM INVERSION (B)</b> <i>Z. Wu (King Abdullah University of Science &amp; Technology) &amp; V. Li (Colorado School of Mines)</i>			
10:30	<b>We P1 05 - Frequency-domain Waveform Inversion with Irregular Surface Based on Variable Grid Finite Difference Method</b> - Y. Li* (China University of Petroleum), Z. Li (China University of Petroleum) & K. Zhang (China University of Petroleum)	<b>We P2 05 - Geostatistical Seismic Inversion Integrating Rock Physics Models</b> - C. Amaro* (CERENA/Instituto Superior Técnico), D. Grana (University of Wyoming), L. Azevedo (Instituto Superior Técnico) & A. Soares (CERENA/Instituto Superior Técnico)	
10:55	<b>We P1 06 - Initial Velocity Model for Full Waveform Inversion Using Dip Move-out Correction and Velocity Analysis</b> - E. Jamali Hondori* (JGI, Inc.), H. Mikada (Kyoto University), E. Asakawa (JGI, Inc.) & S. Mizohata (JGI, Inc.)	<b>We P2 06 - Fracture Study Using Seismic Attributes, Simulated Petrophysical Properties and Geological Setting of the Study Area</b> - K. Najafzadeh* (Dana Energy), A. Kiani (Dana Energy) & Y. Moradi Chaleshtori (Dana Energy)	
11:20	<b>We P1 07 - A Hierarchical Parameterisation for Elastic Orthorhombic Anisotropic Parameter Inversion</b> - J.W. Oh* (King Abdullah University of Science & Technology) & T. Alkhalifah (King Abdullah University of Science & Technology)		
11:45	<b>We P1 08 - Mitigating Non-linearity in Full Waveform Inversion by Scaled Sobolev Pre-conditioning</b> - M.A.H. Zuberi* (University of Western Ontario) & R.G. Pratt (University of Western Ontario)		
12:10	Lunch	Lunch	
<b>FULL WAVEFORM INVERSION (C)</b> <i>Y. Choi (King Abdullah University of Science &amp; Technology) &amp; C.A. Perez Solano (Shell Global Solutions International BV)</i>		<b>SEISMIC ATTRIBUTES (A)</b> <i>R. Gras (Oranje-Nassau Energie B.V.) &amp; A. Sharma (Schlumberger)</i>	
13:30	<b>We P1 09 - Elastic Multi-parameter FWI Based on the Truncated Gauss-Newton Method Using an Improved Scattering-integral Algorithm</b> - M.A. Sun* (Tongji University), L.G. Dong (Tongji University), Y.Z. Liu (Tongji University) & J.Z. Yang (Tongji University)	<b>We P2 09 - Perceptual and Non-perceptual Dissimilarity Measures for Salt Dome Delineation</b> - M. A. Shafiq* (Georgia Institute of Technology) & G. AlRegib (Georgia Institute of Technology)	
13:55	<b>We P1 10 - Individual and Joint 2-D Elastic Full Waveform Inversion of Rayleigh and Love Waves</b> - F. Wittkamp* (Karlsruhe Institute of Technology) & T. Bohlen (Karlsruhe Institute of Technology)	<b>We P2 10 - Multi-trace Complex-valued Correlation with Dip Scanning</b> - B.P. Yan* (China University of Petroleum-Beijing), S.X. Wang (China University of Petroleum-Beijing), S.Y. Yuan (China University of Petroleum-Beijing), C.H. Dong (China University of Petroleum-Beijing) & T.Y. Wang (China University of Petroleum-Beijing)	
14:20	<b>We P1 11 - Scattering Potential of Acoustic Orthorhombic Parameterization - An Inversion Prospective</b> - N. Masmoudi* (KAUST) & T. Alkhalifah (KAUST)	<b>We P2 11 - Seismic Coherence in the Presence of Residual Trace-to-trace Time Delay Variations</b> - I. Mendrii* (National Mining University), Y. Tyapkin (consultant) & V. Vasilkovskiy (Institute of Physics Mining Processes)	
14:45	<b>We P1 12 - Localised Time-lapse 3D Elastic Full Waveform Inversion Using Finite-difference Injection and Wavefield Extrapolation</b> - S. Yuan* (Institut de Physique du Globe de Paris (IPGP)), N. Fuji (IPGP), D. Borisov (Princeton University) & S. Singh (IPGP)	<b>We P2 12 - Seismic Response of Weak Reflector Based on a Seismic Physical Model</b> - W. Chen* (Yangtze University) & Y.K. Chen (The University of Texas at Austin)	
15:10	Break	Break	
15:30	<b>We P1 13 - Viscoelastic Full Waveform Inversion of Sea Bottom Long Offset Seismic Data in Presence of Attenuation</b> - T. Belahil* (Institut de Physique du Globe de Paris (IPGP)), S.C. Singh (Institut de Physique du Globe de Paris (IPGP)) & N. Fuji (Institut de Physique du Globe de Paris (IPGP))	<b>We P2 13 - Self-adaptive Multi-scaled Morphology for Weak Signal Detection of Thin Interbedded Reservoir</b> - Y. Yuan* (China University of Petroleum-Beijing), R. Wang (China University of Petroleum-Beijing), W. Huang (China University of Petroleum-Beijing), X. Chen (China University of Petroleum-Beijing), Y. Zhou (China University of Petroleum-Beijing) & Y. Jiang (China University of Petroleum-Beijing)	
15:55	<b>We P1 14 - Modified Boundary Conditions for Elastic Inversion of Active Land Seismic Data in VTI Media</b> - W. He* (Institut de Physique du Globe de Paris (IPGP)), R. Plexis (SHELL) & S. Singh (IPGP)	<b>We P2 14 - Seismic Signature of the Silurian Deposits within the Baltic Basin</b> - A. Kwietniak* (AGH - University of Science and Technology) & T. Mackowski (AGH - University of Science and Technology)	
16:20	<b>We P1 15 - Weighted Objective Functions in Frequency-domain Elastic Full Waveform Inversion Using the Gauss-Newton</b> - G. Jeong (Seoul National University), J.Y. Heo* (Seoul National University) & D.J. Min (Seoul National University)	<b>We P2 15 - A Modified Eigenvalue-based Coherence Algorithm with Analytic Traces</b> - B.P. Yan* (China University of Petroleum-Beijing), S.X. Wang (China University of Petroleum-Beijing), S.Y. Yuan (China University of Petroleum-Beijing), L. Wang (China United Coalbed Methane Corporation, Ltd) & C.H. Dong (China University of Petroleum-Beijing)	
16:45	<b>We P1 16 - Importance of the Source Estimation in FWI - Sensitivity and Examples</b> - L.V. Skopintseva* (Statoil ASA), F.A. Maab (Statoil ASA) & Ø. Pedersen (Statoil ASA)	<b>We P2 16 - Seismic Attenuation of Gas Hydrate-bearing Sediments from Bottom Simulating Reflector and Mass Transport Deposit</b> - R.W. Zhang (China University of Petroleum (Beijing);GMGS), H.Q. Li (China University of Petroleum (Beijing)), Y.Z. Ji (China University of Petroleum (Beijing)), B.J. Zhang* (Guangzhou Marine Geological Survey) & Z. Yang (Guangzhou Marine Geological Survey)	

## e-Poster presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

e-Posters 3		e-Posters 4	
<b>INNOVATIVE TECHNOLOGIES (A)</b> <i>D. Chalenski (Shell) &amp; H.-P. Valero (Schlumberger K.K.)</i>		<b>SEISMIC ATTENUATION (A)</b> <i>C. Hanitzsch (Wintershall Holding GmbH) &amp; O. Yilmaz (Paradigm)</i>	
08:30	<b>We P3 01 - Quantifying the Impact of Fault Networks on Induced Seismicity Potential - Geomechanical Tools to Support Social License</b> - N. M. Umholtz* (FracGeo) & A. Ouenes (FracGeo)	<b>We P4 01 - Near-surface 3D Q Estimation Based on the Generalized S Transform</b> - Y. Liu* (China University of Petroleum - Beijing), X.H. Chen (China University of Petroleum - Beijing), J.Y. Li (China University of Petroleum - Beijing), X.Y. Liu (China University of Petroleum - Beijing), K.K. Guo (China University of Petroleum - Beijing) & S.J. Deng (China University of Petroleum - Beijing)	
08:55	<b>We P3 02 - Expanding the Operating Envelope of Open-hole Memory Logging</b> - N. Gilhooley* (Weatherford)	<b>We P4 02 - A Novel Method for Q Estimation Based on the Generalized Logarithmic Spectral Ratio</b> - Y. Liu* (China University of Petroleum - Beijing), X.H. Chen (China University of Petroleum - Beijing), J.Y. Li (China University of Petroleum - Beijing), B.F. Wang (China University of Petroleum - Beijing), R.K. Chen (China University of Petroleum - Beijing) & Z.B. Guo (China University of Petroleum - Beijing)	
09:20	<b>We P3 03 - Hyper-poster - A New Medium for Improving Communication in Geosciences</b> - P. Dell'Aversana* (Eni S.p.A. E&P)	<b>We P4 03 - The Analytical Analysis of the Ricker Wavelet</b> - Y. He* (China University of Petroleum (Beijing)), Y.X. Li (China University of Petroleum (Beijing)), S.Y. Cao (China University of Petroleum (Beijing)), S.Y. Liu (China University of Petroleum (Beijing)) & D. Yuan (China University of Petroleum (Beijing))	
09:45	<b>We P3 04 - Modeling and Simulation of a Deeply Penetrating Low Frequency Subsurface Radar System</b> - K van den Doel* (Adrok)	<b>We P4 04 - Q Factor Estimation Based on the Central Frequency Shift of Power Spectrum</b> - D. Yang (The Research Institute of CNOOC Ltd. Shenzhen), C. Qin (The Research Institute of CNOOC Ltd. Shenzhen), R. Wang (The Research Institute of CNOOC Ltd. Shenzhen), M. He (The Research Institute of CNOOC Ltd. Shenzhen), J. Li (China University of Petroleum-Beijing) & Y.F. Liu* (China University of Petroleum-Beijing)	
10:10	Break	Break	
10:30	<b>We P3 05 - Development of Lock-in Resistivimeter for Measuring Resistivity and Induced Polarization under High Electrical Noise</b> - J.M. Oliveira* (IAG - Universidade de São Paulo), W.C. Ferreira (DEP/FEM/UNICAMP and INCT-GP) & F. Hiodo (IAG - Universidade de São Paulo)	<b>We P4 05 - An Amplitude Preserving S-transform for Seismic Data Attenuation Compensation</b> - B.F. Wang* (Tsinghua University/CUPB), X.H. Chen (China University of Petroleum, Beijing), W.K. Lu (Tsinghua University), Z.K. Wang (China University of Petroleum, Beijing) & J. Mu (Sinopec Geophysical Research Institute, Nanjing)	
10:55	<b>We P3 06 - Viscosity Alteration of Paraffin Based Crude Oil Using Pulsated Magnetic Field</b> - D. Pandey (University of Petroleum & Energy Studies), D.B. Pandey* (University of Petroleum & Energy Studies) & S. Suyal (University of Petroleum & Energy Studies)	<b>We P4 06 - Q-compensated Gaussian Beam Migration</b> - F.C. Dai (China University of Petroleum), J.P. Huang (China University of Petroleum), Z.C. Li (China University of Petroleum), J.D. Yang (China University of Petroleum) & P. Yong* (China University of Petroleum (East China))	
11:20	<b>We P3 07 - Uncoupled Mass Geophone</b> - I. M. Gwerah* (Waha Oil Company)	<b>We P4 07 - The Method of Analytic Signal to Estimate Quality Factor Q</b> - Z.J. Wang* (CNOOC Research Institute), N. Tian (CNOOC Research Institute), T.E. Fan (CNOOC Research Institute), Y.F. Gao (CNOOC Research Institute) & J.N. Zhou (CNOOC Research Institute)	
11:45	<b>We P3 08 - Template Matching Based Automated Detection of Curves from Scanned Raster Log Images</b> - T. Hassan* (LMKR Pvt. Limited), S. Ahmad (LMKR Pvt. Limited) & M.S. Hameed (LMKR Pvt. Limited)		
12:10	Lunch	Lunch	
<b>EOR - THERMAL, MECHANICAL, MICROBIAL, CO2</b> <i>H. Salimi (PanTerra Geoconsultants B.V.) &amp; A. Rock (Clausthal University of Technology)</i>		<b>SEISMIC MODELLING (A)</b> <i>H. Zhou (Statoil)</i>	
13:30	<b>We P3 09 - Study of Geomechanical Effects during SAGD Process</b> - I Malinowskaya* (IFPEN), C. Preux (IFPEN), N. Guy (IFPEN) & G. Etienne (IFPEN)	<b>We P4 09 - Analytic Formulae for Vertical Slowness and Tau-P Intercept Time of P-waves in Tilted Orthorhombic Media</b> - Q. Hao* (Norwegian University of Science & Technology) & A. Stovas (Norwegian University of Science & Technology)	
13:55	<b>We P3 10 - Preformed Particle Gels (PPG) Improve Oil Recovery in Mature Oil Fields</b> - S. Suresh (Missouri University of Science and Technology, USA), B. Bai* (Missouri University of Science and Technology, USA) & A. Imqam (Missouri University of Science and Technology, USA)	<b>We P4 10 - Analytic Formulae for Wave Normal of P-waves in Orthorhombic Media</b> - Q. Hao* (Norwegian University of Science & Technology) & A. Stovas (Norwegian University of Science & Technology)	
14:20	<b>We P3 11 - An Experimental Investigation - Application of Dual Cores Methodology for Evaluation of IOR and EOR Process</b> - X. Zhou* (Saudi Aramco), F. Al-Otaibi (Saudi Aramco) & S. Kokal (Saudi Aramco)	<b>We P4 11 - Acoustic TTI Modelling with a Time-space Domain Finite-difference Stencil</b> - S.G. Xu* (China University of Petroleum (Beijing)) & Y. Liu (China University of Petroleum (Beijing))	
14:45	<b>We P3 12 - Simplified Numerical Model for Simulation of Surfactant/Polymer (SP) Flooding Process for Enhanced Oil Recovery</b> - S.M. HosseiniNasab* (Delft University of Technology), M. Chaharadwli (Delft University of Technology) & P.L.J. Zitha (Delft University of Technology)	<b>We P4 12 - New Two Steps Finite Difference Scheme for Acoustic Wave Equation Using Sampling Theorem to Minimize Grid Dispersion</b> - D. Barman* (CSIR National Geophysical Research Institute) & M. Ojha (CSIR National Geophysical Research Institute)	
15:10	Break	Break	
15:30	<b>We P3 13 - Reaching Ultra-low IFT with Low-pH Zwitterionic Surfactant System</b> - I. Kurnia* (New Mexico Tech), G. Zhang (Petroleum Recovery Research Center), Z. Chen (New Mexico Tech), J. Yu (Petroleum Recovery Research Center), C. Du (New Mexico Tech), J. Lou (New Mexico Tech) & R. Lee (Petroleum Recovery Research Center)	<b>We P4 13 - Wave Propagation in Porous Elastoplastic Rocks - Implication for Seismic Attenuation</b> - V. Yarushina* (Institute for Energy Technology) & A.N. Minakov (University of Oslo)	
15:55	<b>We P3 14 - Comparison and Optimization of SAGD and FA-SAGD Techniques for Recovery from a Fractured Heavy Oil Reservoir in Iran</b> - P.N. Niknam (Petroleum University of Technology, Iran), I.S. Soleimanpour* (Iranian Central Oil Fields Company, NIOC) & M.J. Jamialahmadi (Petroleum University of Technology, Iran)	<b>We P4 14 - A Semi-analytic Forward Modeling Method for Dipping Layered Diffusive-viscous Media</b> - F.Y. Sun* (Xi'an Jiaotong University), J.H. Gao (Xi'an Jiaotong University) & B. Wang (Xi'an Electronic Engineering Research Institute)	
16:20		<b>We P4 15 - First-order Hybrid Absorbing Boundary Condition of Elastic Wave Equations Forward Modelling in TTI Media</b> - S.G. Xu* (China University of Petroleum (Beijing)) & Y. Liu (China University of Petroleum (Beijing))	
16:45		<b>We P4 16 - Should We Use the First- or Second-order Formulation with Spectral Elements for Seismic Modelling?</b> - R. Shamasundar* (Delft University of Technology) & W.A. Mulder (Shell GSI BV & Delft University of Technology)	

## e-Poster presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

e-Posters 5		e-Posters 6	
PETROPHYSICS - CORES AND DIGITAL ROCKS <i>M. Pervukhina (CSIRO Earth Science and Resource Engineering)</i>		CO2 SEQUESTRATION AND STORAGE <i>K. Shogenov (Tallinn University of Technology)</i>	
08:30	<b>We P5 01 - Tight Chalks - How Does Microtexture Affect Petrophysical and Geomechanical Properties?</b> - O. Fay-Gomord* (KU Leuven), F. Descamps (UMONS), B. Caline (TOTAL), S. Vanduycke (UMONS) & R. Swennen (KU Leuven)		<b>We P6 01 - Monitoring Remaining Oil Saturation Using Carbon/Oxygen Logging Technique in CO2 Injection Reservoirs</b> - F. Zhang* (China University of Petroleum), Q.Y. Zhang (China University of Petroleum), J.T. Liu (China University of Petroleum), Z.Y. Han (China University of Petroleum) & Q. Chen (China University of Petroleum)
08:55	<b>We P5 02 - Comparison of Nuclear Magnetic Resonance and Mercury Injection Capillary Pressure in Characterization of Shale Pore Size</b> - Q. Xie (China University of Petroleum Beijing), B.R. Di (China University of Petroleum Beijing), J.X. Wei (China University of Petroleum Beijing), R. Zhang (China University of Petroleum Beijing) & D. Li* (China University of Petroleum Beijing / retired)		<b>We P6 02 - Synergy between Carbon Dioxide Storage and Incremental Oil Recovery</b> - G. Wang* (Heriot Watt University), G. Pickup (Heriot Watt University) & E. Mackay (Heriot Watt University)
09:20	<b>We P5 03 - The Pore Throat - A Pore Level Insight and Identification</b> - S. O. Kwell* (University of Edinburgh) & X. Fan (University of Edinburgh)		<b>We P6 03 - Experimental Study on the Interfacial Tensions of CO2-water Binary Mixture for CO2 Storage Safety</b> - D. Li (China University of Petroleum (East China)), B. Ren (The University of Texas at Austin), L. Zhang (China University of Petroleum (East China)), Z. Yin* (Heriot-Watt University) & S. Ren (China University of Petroleum (East China))
09:45	<b>We P5 04 - Joint Interpretation of Core Samples and Well Logs to Define Lithological Contacts in Capanema Mine - MG, Brazil</b> - L. Fonseca (Vale & UFOP) & A.A. Carrasquilla* (UFEN & UFOP)		<b>We P6 04 - Numerical and Optimisation Studies of CO2 Dissolution and Trapping Efficiency in Saline Aquifers</b> - P.O. Ezeanyim (Coventry University) & S.M. Shariatpour* (Coventry University)
10:10	Break		Break
10:30	<b>We P5 05 - A Staged Filtering Approach to Kill Curtain Noise in FIB-SEM Images</b> - S. Liu* (China University of Petroleum - Beijing), L. Sun (China University of Petroleum - Beijing) & F. Xiao (China University of Petroleum - Beijing)		<b>We P6 05 - CO2 Plasma Firing - A Clean Technology for EOR &amp; CO2 Sequestration</b> - D. Pandey* (University of Petroleum & Energy Studies)
10:55	<b>We P5 06 - Estimating Rock Transport Properties of Sandstone and Carbonate Samples Using Coarse-resolution 3D Dual Energy Images</b> - A. Abbad* (Saudi Aramco) & J. Dvorkin (Stanford University)		<b>We P6 06 - Investigation of the Effects of Unconformity Surface on Geological Storage of CO2</b> - A.P. Pourmalek* (Coventry University) & S.M. Shariatpour (Flow Measurement and Fluid Mechanics Research Cent)
11:20	<b>We P5 07 - Impacts of Spatial Distribution of Pore Fluids and Heat Flow Direction on Effective Thermal Conductivity of Rocks</b> - S.M. Alavi* (Petroleum University of Technology (PUT)) & A. Aryanazadeh (Petroleum University of Technology)		<b>We P6 07 - Numerical Investigation of the Anisotropy Role on Carbon Dioxide Dissolution Enhancement in Saline Aquifers</b> - M. Pasdar* (Research Institute of Petroleum Industry (RIPI)), S.M. Seyyedi Nasooh Abad (Heriot-Watt University) & M. Sheydaemehr (Petroleum University of Technology)
11:45			<b>We P6 08 - Feasibility Study of Algae Based Carbon Capture in Tous Power Plant</b> - A. Daliri Beirak Ollia* (Sharif University of Technology) & S. Feizollahi quchan (Ferdowsi University of Mashhad)
12:10	Lunch		Lunch
EXPLORATION AND FIELDS - CASE HISTORIES <i>K. MacAllister (Bovleven Plc.) &amp; H. Granser (OMV East Abu Dhabi)</i>		KNOWLEDGE SHARING (B) (SPE)	
13:30	<b>We P5 09 - Chimney Atlas to Quantify Top Seal and Charge Risk - Case Study from Maari Oil Field, Taranaki Basin, New Zealand</b> - D. Connolly* (dGB Earth Sciences) & P. de Groot (dGB Earth Sciences)		<b>We P6 09 - Integration of Pressure Transient Data into Reservoir Models Using the Fast Marching Method</b> - C. Li (Texas A&M University) & M. King* (Texas A&M University)
13:55	<b>We P5 10 - Broadband Imaging at a Fault Bound Basin - Case History of the PL 586 Pil Discovery and Boomerang Prospect, 2012-2015</b> - A. Pavlov (ION), V. Valler (ION), A. Sakharov* (VNG Norge), A. Knowles (ION), E. Egeland (VNG Norge) & P. Smith (ION)		<b>We P6 10 - Investigation of CO2 Enhanced Gas Recovery in Shale Plays</b> - K. Zhang (University of Calgary), Q. Liu (University of Calgary), M. Wang (University of Calgary), B. Kong* (University of Calgary), J. Lv (University of Calgary), K. Wu (University of Calgary), S. Chen (University of Calgary) & Z. Chen (University of Calgary)
14:20	<b>We P5 11 - Vienna Basin Imaging - A Case Study</b> - S. Bezdán* (OMV Exploration & Production), J. Chlup (CGG), E. Rieser (OMV Exploration & Production), J. Vermeulen (OMV Exploration & Production), J. Orosz (OMV Exploration & Production) & R. Spitzer (OMV Exploration & Production)		<b>We P6 11 - Evaluation of Multicriteria Decision Making Models to Develop Fluid Expert System for Well Stimulation</b> - R.L. Poyyara* (Halliburton), V.K. Patnana (Halliburton) & M.M. Alam (Halliburton)
14:45	<b>We P5 12 - Eastern Pannonian Basin Analysis of Geothermal Behaviour by Integrated Geophysical Information</b> - I. Panea* (University of Bucharest) & V. Mocuianu (University of Bucharest)		<b>We P6 12 - Biodegradation of Hydrocarbons As a Mechanism of Microbial Enhanced Oil Recovery</b> - C.C. Uzukwu* (University of Aberdeen) & D. Dionisi (University of Aberdeen)
15:10	Break		Break
15:30	<b>We P5 13 - Making Advances to Enhance Production from the Barents Sea Discoveries</b> - H. Karimaie (FirstGeo), S. Pourmohammadi (First Geo), H.H. Nyronning (First Geo) & A. Jahanbani* (NTNU)		<b>We P6 13 - Modeling of Foamy-oil Flow in Solvent-based Recovery Processes</b> - X. Jia* (University of Calgary), J. Li (University of Regina), Z. Chen (University of Calgary), Y. Gu (University of Regina) & F. Zeng (University of Regina)
15:55	<b>We P5 14 - From Enigmatic Source to Complex Stratigraphic Traps - Unlocking Tanzania's Hydrocarbon Potential</b> - J. Nicholson* (BG Group plc) & N.J. Sayers (BG Group plc)		<b>We P6 14 - Real Gas Transport through Complex Nanopores of Shale Gas Reservoirs</b> - K. Wu* (University of Calgary) & Z.J. Chen (University of Calgary)
16:20			<b>We P6 15 - Multi-scale Integration of 4D Seismic and Simulation Data to Improve Saturation Estimations</b> - G.G. Correia (State University of Campinas), A. Davolio* (State University of Campinas) & D.J. Schiozer (State University of Campinas)
16:45			<b>We P6 16 - Numerical Simulation of Natural Gas Flow in Shale Reservoirs with Thermodynamic Equation of State</b> - A.K. Negara (Baker Hughes Inc), M.M. Elgassier (Baker Hughes Inc), B. Saad (Baker Hughes Inc) & H. Jutila* (Baker Hughes Inc)



<b>e-Posters 7</b>	
<b>ELECTROMAGNETIC METHODS (A)</b>	
<i>S. Hallinan (CGG)</i>	
08:30	<b>We P7 01 - Analysis of Relationship of DNME Polarization Parameters with Reservoir Properties</b> - S.J. Garina* (Siberian Geophysical Research Production Company), S.A. Ivanov (Siberian Geophysical Research Production Company), E.O. Kudryavceva (Siberian Geophysical Research Production Company), P.J. Legeido (Siberian Geophysical Research Production Company), O.F. Putikov (National University of the mineral resource) & A.A. Sitnikov (Siberian Geophysical Research Production Company)
08:55	<b>We P7 02 - Leveling Time-domain-airborne Electromagnetic Data Using Constrained Polynomial Fitting</b> - K. Zhu (Jilin University), Q. Zhang* (Jilin University), Y. Meng (Jilin University), Y. Li (Jilin University), Y. Cheng (Jilin University), C. Jiang (Jilin University), M. Dou (Jilin University) & J. Li (Jilin University)
09:20	<b>We P7 03 - 3D Anisotropic Inversion for ATEM Data</b> - Y. Liu* (Jilin University), C. Yin (Jilin University), B. Zhang (Jilin University) & J. Cai (Jilin University)
09:45	<b>We P7 04 - Practical Aspects in mCSEM Migration</b> - A. Gola (Politecnico di Milano) & G. Bernasconi* (Politecnico di Milano)
10:10	<b>Break</b>
10:30	<b>We P7 05 - The Magnetotelluric Amplitude Tensor as Complement to the Phase Tensor for Mapping, Inversion and Distortion Analysis</b> - M. Neukirch (CSIC - Institute of Marine Sciences), D. Rudolf (Mathematisches Institut, University of Jena) & X. Garcia* (CSIC - Institute of Marine Sciences)
10:55	<b>We P7 06 - Optimized Synthetic Aperture for Enhancing the Detectability of Hydrocarbon in MCSEM</b> - X. Wang* (China University of Petroleum-Beijing) & J.S. Shen (China University of Petroleum-Beijing)
11:20	<b>We P7 07 - Three-dimensional Marine CSEM Forward Modelling in the Flemish Pass Basin Using Realistic Unstructured Meshes</b> - M.W. Dunham* (Memorial University of Newfoundland), S. Ansari (Memorial University of Newfoundland) & C.G. Farquharson (Memorial University of Newfoundland)
11:45	<b>We P7 08 - 3D CSAMT Modeling with Topography</b> - C. Yin (Jilin University), B. Zhang* (Jilin University), Y. Liu (Jilin University), J. Cai (Jilin University) & C. Wang (Jilin University)
12:10	<b>Lunch</b>
<b>VELOCITY AND SEISMIC IMAGING - PARAMETER ESTIMATION AND CASE HISTORIES (A)</b>	
<i>O.K. Zdraveva (Schlumberger) &amp; M.L. Schoemann (Statoil ASA)</i>	
13:30	<b>We P7 09 - Are PSDM Depth Interpretations Reliable?</b> - L. Sandjiv* (SeisQuaRe), A. SHTUKA (Seisquare) & M. COLLET (Seisquare)
13:55	<b>We P7 10 - Sonic Log Based Velocity Optimization with Perforation Shots in Unconventional Oil and Gas Field</b> - N. Shimoda* (Free University of Berlin), A. Reshetnikov (Free University of Berlin) & S. Shapiro (Free University of Berlin)
14:20	<b>We P7 11 - A Workflow to Quantify Velocity Model Uncertainty</b> - A.C. Bell (PGS), R. Lorenzo (PGS), T. Martin (PGS), D. van der Berg (PGS) & B.P. Caselitz* (PGS)
15:10	<b>Break</b>
<b>RESERVOIR CHARACTERIZATION (A)</b>	
<i>C. Turchiani (Eni S.p.A. E&amp;P) &amp; M. Leathard</i>	
15:30	<b>We P7 13 - Using Chronostratigraphic Correlation to Improve the Water Injection Process - Case Study Strambu, Romania</b> - F. Ulmeanu Enea* (OMV Petrom), M. Grigoras (OMV Petrom), I. Ivan (OMV Petrom), A.M. Martinescu (OMV Petrom) & V. Priescu (OMV Petrom)
15:55	<b>We P7 14 - Reservoir Characterization and Development Optimization for a Super-giant Carbonate Reservoir</b> - C. Wei* (PetroChina), Y. Li (PetroChina), Q. Zhang (PetroChina) & J. Zheng (PetroChina)
16:20	<b>We P7 15 - Integrated Subsurface Description of Complex Estuarine and Deltaic Reservoirs in the Wara Formation, Burgan Field, Kuwait</b> - B. Al-Enezi* (Kuwait Oil Company), M. Al-Naqi (Kuwait Oil Company), A. Bowman (BP), M. Wells (BP) & P. Maraj (BP)

## Student e-Poster presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

	<b>Student e-Posters 1</b>	<b>Student e-Posters 2</b>
	<b>ELECTROMAGNETIC AND POTENTIAL FIELD MEASUREMENTS</b> <i>X. Garcia (CSIC - Institute of Marine Sciences)</i>	<b>PETROPHYSICS, FACIES MODELLING AND GEOMECHANICS</b> <i>N. Gegenhuber (Montanuniversitaet Leoben)</i>
08:30	<b>We SP1 01 - Tectonic Subsidence, Crustal Structure and Flexure of the Rifted Continental Margin of North West Australia</b> - S.L. Evans* (Imperial College London)	<b>We SP2 01 - Shear Weakening for Different Lithologies Observed at Different Saturation Stages</b> - E. Diethart* (Montanuniversitaet Leoben) & N. Gegenhuber (Montanuniversitaet Leoben)
08:55	<b>We SP1 02 - Characterizing Geothermal Systems in Iceland with Magnetotellurics</b> - N.V. Vinard* (ETH Zurich)	<b>We SP2 02 - Characterization of the Pore Space of the Carboniferous Gas-bearing Deposits in the P-29 Well (Western Poland)</b> - A. Pstrucha* (AGH University of Science and Technology), G. Machowski (AGH University of Science and Technology) & A. Krzyzak (AGH University of Science and Technology)
09:20	<b>We SP1 03 - Magnetotelluric Ore Exploration near Irota, NE Hungary</b> - E. Nadasi* (University of Miskolc), A. Madarasi (Geological and Geophysical Institute of Hungary), E. Turai (University of Miskolc) & M. Szilvási (University of Miskolc)	<b>We SP2 03 - Sulphate-induced Porosity Reduction in Permian Reef, SW Poland in the Scope of Nuclear Magnetic Resonance Studies</b> - A. Fheed* (AGH University of Science and Technology), A. Swierczewska (AGH University of Science and Technology) & A.T. Krzyzak (AGH University of Science and Technology)
09:45	<b>We SP1 04 - Depth Estimation Using Normalized Downward Continuation of Magnetic Field Data</b> - S. Zhou (Jilin University), X.H. Gao (Jilin unversity), T.H. Wang (Jilin unversity) & Y.F. Qi* (Jilin unversity)	<b>We SP2 04 - Quality and Consistency Check, and PVT Data Tuning Simulation Approach - Case Study of Gas Field</b> - R. Susanto* (Clausthal University of Technology)
10:10	<b>Break</b>	<b>Break</b>
10:30	<b>We SP1 05 - Non-smooth Inversion of Non-linear Gravity Problem by Means of Particle Swarm Optimization</b> - A. Jamasb* (University of Tehran) & S.H. Motavalli-Anbaran (University of Tehran)	<b>We SP2 05 - Multiple Point Statistics Facies Modelling of a Complex Submarine Fan System</b> - F. Yunus* (University of Stavanger), L. Schulte (Schlumberger) & C. Townsend (University of Stavanger)
10:55	<b>We SP1 06 - Stable Computation of Potential Field Vertical Derivative - A Modification of Conventional FFT Algorithm</b> - S. Nazeri (University of Tehran), M. Fedi (University of Naples Federico II), J. Baniamerian* (University of Tehran) & Z.H. Shomali (University of Tehran)	<b>We SP2 06 - Integrated Flow Simulation, Rock Physics &amp; Geomechanics Identifies CO<sub>2</sub>-EOR and Storage Potential at Ankleshwar, India</b> - S.S. Ganguli* (National Geophysical Research Institute), V.P. Dimri (National Geophysical Research Institute) & N. Vedanti (National Geophysical Research Institute)
11:20	<b>We SP1 07 - 3D Full-wave Forward Modelling for Ground Transient EM Methods</b> - Y. Qi* (Jilin University), C. Yin (Jilin University), Y. Liu (Jilin University), J. Cai (Jilin University) & C. Wang (Jilin University)	<b>We SP2 07 - Finite Element Stress Modelling for Subducting Lithosphere under Varying Angle of Inclination</b> - A. Kumar* (Indian School of Mines) & P.K. Khan (Indian School of Mines)
11:45		<b>We SP2 08 - Modelling and Simulation of Reservoir Poroelastic Response during Hydraulic Fracturing</b> - S. Sharma* (Indian Institute of Technology), A. Chaudhary (Indian Institute of Technology) & R.R. Nair (Indian Institute of Technology)
12:10	<b>Lunch</b>	<b>Lunch</b>
	<b>ROCK PHYSICS, SEISMIC INVERSION AND RESERVOIR CHARACTERIZATION</b> <i>M. Nooraeipour (University of Oslo)</i>	<b>NEAR SURFACE, WATER RESOURCES AND CO<sub>2</sub> SEQUESTRATION</b> <i>Y. Sun (Aramco Overseas Company B.V.) &amp; S.H. Motavalli-Anbaran (University of Tehran)</i>
13:30	<b>We SP1 09 - Geomechanical Properties of Shale Gas Reservoirs in Poland Baltic Basin Using AVO Analysis and Inversion</b> - K. Cichostępski* (AGH University of Science and Technology) & M. Kasperska (AGH University of Science and Technology)	<b>We SP2 09 - Seismicity Using Pore-fluid Pressure and Poroelastic Stress Modelling - Application to Unterhaching Geothermal Reservoir</b> - N. Kilicer* (Freie Universitaet Berlin), C. Dinske (Freie Universitaet Berlin) & O.S. Krueger (Freie Universitaet Berlin)
13:55	<b>We SP1 10 - Fracture Modelling Guided by Seismic Attributes, Teapot Dome, Wyoming</b> - D. Kundacina* (University of Stavanger), N. Cardozo (University of Stavanger) & L. Schulte (Schlumberger Norge AS)	<b>We SP2 10 - Investigation of Porosity Development in Biochar from the Feedstock of Dissimilar Lignin Content</b> - V. Chemerys* (Vilnius Gediminas Technical University) & E. Baltrėnaitė (Vilnius Gediminas Technical University)
14:20	<b>We SP1 11 - Inversion of Reflected Travel Time Curve Using a Continuous Genetic Algorithm</b> - T. Rajkumar* (Indian School of Mines) & S.K. Pal (Indian School of Mines)	<b>We SP2 11 - Ice Thickness and Volume Estimates of Drang-Drung Glacier Using Remote Sensing</b> - S. Bhushan* (Indian School of Mines), T.H. Syed (Indian School of Mines) & H. Gupta (Indian School of Mines)
14:45	<b>We SP1 12 - Application of Iterative Particle Swarm Optimization for Reflected Wave Travel time Inversion</b> - S. Kumar* (Indian School of Mines), A. Agarwal (Indian School of Mines) & S. Srivastava (Indian School of Mines)	<b>We SP2 12 - Application of Early Arrival Waveform Inversion to Qadimah Shallow Land Data</b> - Q.F. Xue* (Chinese Academy of Sciences), S.M. Hanafy (King Abdullah University of Science and Technology), Y.K. Zheng (Chinese Academy of Sciences) & Y.B. Wang (Chinese Academy of Sciences)
15:10	<b>Break</b>	<b>Break</b>
15:30	<b>We SP1 13 - Fracture Evaluation Using Crossing Dipole Acoustic Logging Data in Horizontal Well</b> - Q. Ye* (China University of Petroleum) & B. Wang (China University of Petroleum)	<b>We SP2 13 - Seismicity and Reliability Analysis of a Strip Footing Embedded in Slope</b> - L. Sharma* (Indian Institute of Science Bangalore) & S. Ghosh (National Institute of Technology Agartala)
15:55	<b>We SP1 14 - Numerical Simulation of P-wave Attenuation and Dispersion to Identify the Low Gas Saturated Reservoirs</b> - N. Ahmed* (University of the Punjab), T. Ali (University of the Punjab) & P. Khalid (University of the Punjab)	<b>We SP2 14 - Numerical Modelling of GPR Using Spectral-element Method in the Time Domain</b> - S. Zarei* (University of Tehran), B. Oskooi (University of Tehran), N. Amiri (University of Tehran) & A. Rahimi Dalkhani (University of Amirkabir)
16:20	<b>We SP1 15 - Application of VFSA for AVO Inversion of Seismic Reflection Data</b> - R. Agarwal* (Indian School of Mines) & K. Sain (CSIR-National Geophysical Research Institute)	<b>We SP2 15 - Co<sub>2</sub> Storage in Depleted Coal Reservoirs Using Tank Model</b> - N. Paul (Indian School of Mines), M. Asif* (Indian School of Mines), D.C. Panigrahi (Indian School of Mines) & K. Ojha (Indian School of Mines)

## Oral presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

	Lehar 1	Lehar 2
	<b>INNOVATION IN POTENTIAL FIELDS METHODS</b> <i>G.R.J. Cooper (University of the Witwatersrand)</i>	<b>TIME-LAPSE SEISMIC INTERPRETATION II</b> <i>C. MacBeth (Heriot-Watt University) &amp; M. Ayzenberg (Statoil ASA)</i>
08:30	<b>Th LHR1 01 - A Unified Method for Calculating the Depth to Source of Horizontal Density Layers</b> - J. Barraud* (GETECH Group plc)	<b>Th LHR2 01 - The Effect of Shale Activation on 4D Seismic Interpretation of a UKCS Field</b> - R. Rangel* (ETLP - Heriot-Watt University), C. MacBeth (ETLP - Heriot-Watt University) & M. Mangriotis (ETLP - Heriot-Watt University)
08:55	<b>Th LHR1 02 - Apparent Terrain Density Estimations with Variable Terrain Corrections Using Stochastic Inversion</b> - M. Zengerer* (Intrepid Geophysics), R. Paterson (Intrepid Geophysics) & C. Campbell (Accel Services Inc.)	<b>Th LHR2 02 - 4D Seismic Interpretation of the Norne Field - A Semi-quantitative Approach</b> - J.M.C. Santos* (University of Campinas), A. Davolio (University of Campinas), C. MacBeth (Heriot-Watt University) & D.J. Schiozer (University of Campinas)
09:20	<b>Th LHR1 03 - Role of Discretization Parameters in Source Depth Estimation Using Tikhonov's Downwards Continuation of Potential Fields</b> - R. Pasteka* (Comenius University), D. Kušnirák (Comenius University), P. Zahorec (Slovak Academy of Sciences) & J. Papčo (Slovak University of Technology)	<b>Th LHR2 03 - The Application of Time-lapse Seismic Technology in Residual Oil Distribution Prediction</b> - P.J. Fan (CNOOC Research Institute), H.L. Zhang (CNOOC Research Institute), Y.F. Gao (CNOOC Research Institute), X.W. Zhang* (CNOOC Research Institute) & N. Tian (CNOOC Research Institute)
09:45	<b>Th LHR1 04 - The Value of Integration in Geophysics. Applications to Electromagnetic and Gravity Data</b> - P. Dell'Aversana* (Eni S.p.A. E&P)	<b>Th LHR2 04 - Quantification of Reservoir Pressure-sensitivity Using Multiple Monitor 4D Seismic Data</b> - V.E. Omofoma* (Heriot-Watt University) & C. MacBeth (Heriot-Watt University)
10:10	<b>Break</b>	<b>Break</b>
10:30	<b>Th LHR1 05 - A New Algorithm for Inversion of 1D Vertical Soundings of Potential Field Anomalies</b> - A. Vitale* (University of Naples Federico II), M. Fedi (University of Naples Federico II), D. Di Massa (University of Naples Federico II) & G. Florio (University of Naples Federico II)	<b>Th LHR2 05 - Seismic Monitoring of CO2 Geosequestration - CO2CRC Otway Case Study Using Full 4D Elastic Modelling</b> - S. Glubokovskikh* (CO2CRC Limited, Curtin University), R. Pevzner (CO2CRC Limited, Curtin University), D. Popik (CO2CRC Limited, Curtin University), T. Dance (CO2CRC Limited, CSIRO), E. Caspari (University Lausanne), V. Shulakova (CO2CRC Limited, CSIRO) & B. Gurevich (CO2CRC Limited, Curtin University)
10:55	<b>Th LHR1 06 - Integrated Seismic and Non-seismic Modelling for Crustal Type, Volcanic Risk Mapping and Generating a Common Earth Model</b> - M.A. Azher* (Total), M. Price (Total) & M. Masini (Total)	<b>Th LHR2 06 - 4D Seismic Monitoring Technique during Modern Coal Mining</b> - W.F. Du* (China University of Mining and Technology) & S.P. Peng (China University of Mining and Technology)
11:20	<b>Th LHR1 07 - Lineament Detection over Shale Gas Play of Horn River Basin Using Monogenic Phase Congruency of Magnetic Data</b> - S.V. (RAO) Yalamanchilli* (CGG Multi-Physics) & H. Hassan (CGG Multi-Physics)	<b>Th LHR2 07 - The Impact of Time-shift Estimation and Correction on Two 4D Attributes - Amplitude Difference and Velocity Change</b> - B. Pazzetti* (Unicamp), D. Donno (Mines Paris-Tech and Unicamp), A. Davolio (Unicamp), D. Grana (Wyoming University) & D. Schiozer (Unicamp)
11:45	<b>Th LHR1 08 - Estimating the Depth to the Base of Sedimentary Layer in South Caspian Basin (Iran) by Particle Swarm Optimization (PSO)</b> - S.H. Motavalli-Anbaran* (University of Tehran) & A. Jamasb (University of Tehran)	<b>Th LHR2 08 - Towards an Effective Petroelastic Model for Simulator to Seismic Studies</b> - A. Briceno* (Heriot-Watt University), C. MacBeth (Heriot-Watt University) & M.D. Mangriotis (Heriot-Watt University)
12:10	<b>Lunch</b>	<b>Lunch</b>
	<b>ELECTROMAGNETIC METHODS III - MODELLING AND MEASUREMENT</b> <i>S.L. Helwig (PetroMarker AS) &amp; N. Cuevaes (Schlumberger Geosolutions)</i>	<b>NMO AND STACKING</b> <i>A. Stovas (Norwegian University of Science &amp; Technology) &amp; C.D.B. Notfors (CGG Services (US) Inc)</i>
13:30	<b>Th LHR1 09 - Complex Resistivity Measurement and Inversion for Carbonate Hydrocarbon Reservoir</b> - Y. Gao* (China University of Petroleum, Beijing), J.S. Shen (China University of Petroleum, Beijing) & Z.X. He (BGP Inc., CNPC)	<b>Th LHR2 09 - A Competitive Comparison of Multi-parameter Stacking Approaches</b> - J. Walda* (University of Hamburg), B. Schwarz (University of Hamburg) & D. Gajewski (University of Hamburg)
13:55	<b>Th LHR1 10 - 3D Time-domain Forward Modeling for GREATEM System with Topography</b> - C. Yin* (Jilin University), Y. Qi (Jilin University), Y. Liu (Jilin University), J. Cai (Jilin University) & C. Wang (Jilin University)	<b>Th LHR2 10 - Optimisation of 2D Foothills Imaging and Acquisition by the Means of Common-offset CRS</b> - F. Studer* (TOTAL), F. Chasserot (TOTAL) & C. Strobbia (TOTAL)
14:20	<b>Th LHR1 11 - A 3D Forward Model with Induced Polarization</b> - M.V.C. Carneiro* (ORG Geophysical) & E.G.F. Flekkoy (ORG Geophysical)	<b>Th LHR2 11 - Pre-stack Data Recovery through Common Offset CRS Stack with Differential Evolution</b> - T. Barros* (University of Campinas), R. Krummenauer (DSPGeo), R. Lopes (University of Campinas) & H. Chauris (MINES Paristech)
14:45	<b>Th LHR1 12 - 3D Simulations of Deep Directional Electromagnetic Tools in High-angle and Horizontal Wells</b> - V. Puzryev* (Barcelona Supercomputing Center) & C. Torres-Verdin (The University of Texas at Austin)	<b>Th LHR2 12 - Kinematic Time Demigration with an Automatically Generated Velocity Model</b> - M. Gloeckner* (University of Hamburg), B. Schwarz (University of Hamburg), C. Vanelle (University of Hamburg) & D. Gajewski (University of Hamburg)
15:10	<b>Break</b>	<b>Break</b>
15:30	<b>Th LHR1 13 - Solving CSEM Problems with Massive Number of Sources and Receivers</b> - E.H. Haber* (UBC)	<b>Th LHR2 13 - Generalized Moveout Approximation Revisited. Alternative Parameter Selection</b> - A. Stovas* (Norwegian University of Science & Technology) & S. Fomel (The University of Texas at Austin)
15:55	<b>Th LHR1 14 - The Effect of Flow and Wave Motion on a Prototype EM Streamer</b> - D. Wright* (University of Edinburgh), A. Ziolkowski (University of Edinburgh) & A. Djanni (University of Edinburgh)	<b>Th LHR2 14 - Stacking Using Truncated Singular Value Decomposition and Local Similarity</b> - J.Y. Xie* (China University of Petroleum(Beijing)), B.R. Di (China University of Petroleum(Beijing)), J.X. Wei (China University of Petroleum(Beijing)), Q. Xie (China University of Petroleum(Beijing)), S.H. Zu (China University of Petroleum(Beijing)) & Y.K. Chen (University of Texas at Austin)
16:20	<b>Th LHR1 15 - Experimental Research of Seismoelectric Interface Response in Rock Sample with Cavity</b> - R. Peng* (China University of Petroleum (Beijing)), B.R. Di (China University of Petroleum (Beijing)), J.X. Wei (China University of Petroleum (Beijing)), P.B. Ding (China University of Petroleum (Beijing)), Z.C. Liu (China University of Petroleum (Beijing)), F. Gao (China University of Petroleum (Beijing)), J.Y. Xie (China University of Petroleum (Beijing)) & F. Gong (China University of Petroleum (Beijing))	<b>Th LHR2 15 - NMO Velocity Ellipse in Tilted Elastic Orthorhombic Medium</b> - Y. Ivanov* (Norwegian University of Science & Technology) & A. Stovas (Norwegian University of Science & Technology)
16:45	<b>Th LHR1 16 - Magnetotelluric Data Modeling for Imaging of Hydrocarbon Reservoir</b> - I. Mansoori Kermanshahi* (National Iranian South Oil Company (NISOC))	<b>Th LHR2 16 - A High-resolution Weighted Semblance for Dealing with AVO Phenomenon</b> - S. Ebrahimi (Shahrood University of Technology), A. Roshandel Kahoo (Shahrood University of Technology), Y. Chen (The University of Texas at Austin), M.J. Porsani (Federal University of Bahia) & W. Chen* (Yangtze University)

## Oral presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Lehar 3		Lehar 4	
<b>SEISMIC ATTRIBUTES I</b> <i>L. Aleotti (Eni S.p.A. E&amp;P) &amp; K. Guderian (Wintershall Holding GmbH)</i>		<b>BUILDING AND UPDATING SUBSURFACE 3D MODELS</b> <i>M. Welch (Technical University of Denmark)</i>	
08:30	<b>Th LHR3 01 - The Annotation and Application of Energy Half-time Attribute</b> - W. Hu* (China University of Petroleum), J.H. Zhang (China University of Petroleum), Q. Zhang (China University of Petroleum), X.N. Gong (China University of Petroleum) & J. Wang (RIEP of Sinopec Shengli Oilfield)	Th LHR4 01 - <b>Conditioning Channel Backward Migration Modeling to Seismic Data</b> - M. Parquer* (RING - University of Lorraine), P. Collon (RING - University of Lorraine) & G. Caumon (RING - University of Lorraine)	
08:55	<b>Th LHR3 02 - A Generalized Tensor-based Coherence Attribute</b> - Y.K. Alaudah* (Georgia Institute of Technology) & G.I. AlRegib (Georgia Institute of Technology)	<b>Th LHR4 02 - Assessing 3D Structural Uncertainties in Reservoir Modeling and their Effects in Fluid Distributions and Dynamics</b> - A Nasution (Baker Hughes) & A. Ganzo* (Baker Hughes)	
09:20	<b>Th LHR3 03 - Hybrid Stratigraphic Seismic Attribute for Multi-purposes</b> - F.J. Pivot* (Total), G. Dupuy (Total) & R. Lencrherot (Total)	<b>Th LHR4 03 - Litho-seismic Constrained Object Model Geo-modelling and Infilling of Turbiditic Lobe Complexes</b> - H. Ben-Hadj-Ali* (Total E&P), R. Piquot (Total E&P), V. Silva (Total E&P), P. Biver (Total E&P), P. Henriquel (Total E&P) & E. Brechet (Total E&P)	
09:45	<b>Th LHR3 04 - Noise Attenuation by Anisotropic Diffusion Preserving Structural Features</b> - P.C. Pampanelli* (Tecgraf/PUC-Rio), G.M. Faustino (Tecgraf/PUC-Rio), E.A. Perez (Tecgraf/PUC-Rio), J.M.V. Duarte Junior (Tecgraf/PUC-Rio), P. Frederick (Tecgraf/PUC-Rio), E.R. Silva (Tecgraf/PUC-Rio), P.M.C. Silva (Tecgraf/PUC-Rio) & M. Gattass (Tecgraf/PUC-Rio)	<b>Th LHR4 04 - Improving Reservoir Models through Combining Digital Outcrop Data and Forward Modelling</b> - D. Hodgetts* (University of Manchester) & B.S. Burnham (University of Manchester)	
10:10	Break	Break	
10:30	<b>Th LHR3 05 - A Hybrid Approach for Salt Dome Delineation within Migrated Seismic Volumes</b> - M. A. Shafiq* (Georgia Institute of Technology), Y. Alaudah (Georgia Institute of Technology) & G. AlRegib (Georgia Institute of Technology)	<b>Th LHR4 05 - Anisotropic Velocity Model Calibration in Surface Monitoring Using Microseismic Events - A Case Study</b> - T.S. Becker* (ETH Zurich), I.A. Vera Rodriguez (Schlumberger Gould Research), I. Bradford (Schlumberger Gould Research), A. Gendrin (Schlumberger Gould Research) & J.O.A. Robertsson (ETH Zurich)	
10:55	<b>Th LHR3 06 - Seismic Time-frequency Analysis Using Bi-Gaussian S Transform</b> - Z. Cheng (University of Southern California), Y. Chen (University of Texas at Austin), Y. Liu (China University of Petroleum - Beijing), W. Liu (China University of Petroleum - Beijing), G. Zhang (China University of Petroleum - Beijing), H. Li (SINOPEC Exploration and Production Research Instit) & W. Chen* (Yangtze University)	<b>Th LHR4 06 - Application of the T-test Method for Porosity Data Comparison</b> - J. Riou* (Baker Hughes)	
11:20	<b>Th LHR3 07 - Seismic Time-frequency Analysis Using Improved Complete Ensemble Empirical Mode Decomposition</b> - Y. Chen (University of Texas at Austin), W. Liu (China University of Petroleum - Beijing), G. Zhang (China University of Petroleum - Beijing), Z. Cheng (University of Southern California) & W. Chen* (Yangtze University)	<b>Th LHR4 07 - 3D Velocity Model Building via Simultaneous Joint Inversion of 2D Seismic and 3D Gravity Datasets</b> - M. Mantovani* (Schlumberger), A. Lovatini (Schlumberger), K. Hayo (Schlumberger) & L. De Luca (Schlumberger)	
11:45	<b>Th LHR3 08 - Minimal Similarity Accumulation Attribute Using Dimensionality Reduction with Feature Extraction</b> - J.P. Peçanha* (Tecgraf / PUC-Rio), A.M. Figueiredo (Tecgraf / PUC-Rio), G.M. Faustino (Tecgraf / PUC-Rio), E.A. Perez (Tecgraf / PUC-Rio), P.M. Silva (Tecgraf / PUC-Rio) & M. Gattass (Tecgraf / PUC-Rio)	<b>Th LHR4 08 - Imaging through Mega Gas Clouds in Offshore Brunei</b> - Y.N. Lin* (CGG), X. Wu (CGG), Y. Xie (CGG), J. Zhou (CGG), S. Sulaiman (Shell Deepwater Borneo), J. Turner (Shell Deepwater Borneo) & Z. Wei (CGG)	
12:10	Lunch	Lunch	
<b>SEISMIC RESERVOIR CHARACTERIZATION III - INVERSION CASE STUDIES</b> <i>L. Bormatici (Cairn Energy Plc) &amp; P.M.M. Pereira (CERENA/Instituto Superior Tecnico)</i>		<b>FAULT AND FRACTURE ANALYSIS</b> <i>X. Le Varlet (Shell Global Solutions International BV) &amp; G. Tari (OMV Exploration &amp; Production GmbH)</i>	
13:30	<b>Th LHR3 09 - Integrated Fracture-cavern Detection Based on 3D P-wave Seismic Data - A Case Study of S48 Area, Tarim Basin</b> - Z.N. Cao* (China University of Petroleum (Beijing)), X.Y. Li (China University of Petroleum (Beijing)), S.H. Sun (BGP Inc. of CNPC), Q. Liu (Northwest Company, SINOPEC) & G.X. Deng (Northwest Company, SINOPEC)	<b>Th LHR4 09 - Advances in Temporal Fault Seal Analysis - A Case Study from the Taranaki Basin, New Zealand</b> - C. Reilly* (Midland Valley Exploration Ltd), H. Anderson (Midland Valley Exploration Ltd), A. Nicol (University of Canterbury, Christchurch, NZ) & J.J. Walsh (Fault Analysis Group, University College Dublin)	
13:55	<b>Th LHR3 10 - Comparison of Deterministic and Geostatistical Inversion Results - A Case Study for a Gas-saturated Reservoirs with Coals</b> - I.P. Yakovleva* (CGG), K.E. Filippova (CGG), V.I. Kuznetsov (NOVATEK STC) & T.E. Keller (NOVATEK STC)	<b>Th LHR4 10 - Geology of Mode I, Hybrid and Mode II Fractures - What Do we Really Know?</b> - G. Bertotti* (Delft University of Technology) & A. Barnhoorn (Delft University of Technology)	
14:20	<b>Th LHR3 11 - Seismic Expression of Intra-Ordovician Unconformities in Murzuq Basin (Libya) through Pre-stack Inversion &amp; Modelling</b> - M.R. Ron Martin* (Repsol), M. Erquiaga (Repsol), B. Blake (Repsol), J. Buitrago (Repsol), J. Reveron (Repsol), F. Obregon (Repsol), C. Cobos (Repsol) & J.M. González Muñoz (Repsol)	<b>Th LHR4 11 - Automated Workflow to Derive LIDAR Fracture Statistics for the DFN Modelling of a Tight Gas Sandstone Reservoir Analog</b> - P. Wuestefeld* (Reservoir-Petrology, RWTH Aachen University), M. de Medeiros (Wintershall Holding GmbH), B. Koehrer (Wintershall Holding GmbH), D. Sibbing (Computer Graphics Group, RWTH Aachen University), L. Kobbelt (Computer Graphics Group, RWTH Aachen University) & C. Hilgers (Reservoir-Petrology, RWTH Aachen University)	
14:45	<b>Th LHR3 12 - Added Value of Using a 3D Faulted a Priori Model with Seismic Inversion - A Real Case Study of the Alwyn North Field</b> - V. Clochard (IFP Energies Nouvelles), N. Delapine (IFP Energies Nouvelles), J.F. Rainaud* (IFP Energies Nouvelles), M. Poudret (Geosiris) & E. Klein (Extia)	<b>Th LHR4 12 - Fault Seal in the Upper Slochteren (Rotliegend), Case Study from the Gillian Gas Field, Block L11c, Netherlands Offshore</b> - R. Gras (Oranje-Nassau Energie B.V.), R. Neale* (Cegal), O.J. Rossebø (Cegal) & E. Verkuil (Oranje-Nassau Energie)	
15:10	Break	Break	
15:30	<b>Th LHR3 13 - Effects of Post Stack Seismic Data Conditioning on Impedance Inversion for Reservoir, Brazilian Pre-salt, Santos Basin</b> - T.B.M. Talles Barsanti Meneguim* (Petrobras-S/A), T.P. Thomas Proença (Geoteric), C.E.L.P. Carlos Eduardo Lourenço Pereira (Petrobras-S/A), M.P.A. Mário Paes de Almeida Junior (Petrobras-S/A) & E.B.S. Eliane Born da Silva (Petrobras-S/A)	<b>Th LHR4 13 - Wholesale Fracturing of Carbonate Rocks during Subsidence - Tectonics, Geometry and Implications for Reservoir Studies</b> - G. Bertotti* (Delft University of Technology), K. Bisdom (Delft University of Technology), J. Reijmer (VU University Amsterdam), F.H. Bezerra (Federal University Rio Grande do Norte) & C. Cazarin (CENPES - Petrobras)	
15:55	<b>Th LHR3 14 - Using AVA Geostatistical Inversion for Thin Layer Reservoir Characterization - A Carbonate Reservoir Case Study</b> - M. Maleki* (Pars Petro Zagros Geophysics) & R. Alamshahi (Sealand Engineering and Well Services)	<b>Th LHR4 14 - Factors Controlling Stylolite Distribution in Upper Kharai Formation Limestones (Lower Cretaceous), Onshore Abu Dhabi</b> - S.N. Ehrenberg* (The Petroleum Institute), L. Yaxin (The Petroleum Institute) & S. Morad (The Petroleum Institute)	
16:20	<b>Th LHR3 15 - Brittleness Prediction of Tight Reservoir with Product of Young Modulus and Density</b> - H.Q. Wang* (PetroChina Research Institute of Expl. & Developm.)		

## Oral presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

	Lehar 5	Schubert 1
	<b>MULTI-COMPONENT SEISMIC DATA PROCESSING</b> <i>J. Boelle (Total) &amp; C. Bagaini (Schlumberger)</i>	<b>WELL PERFORMANCE II (SPE)</b> <i>M. Brignoli (Eni S.p.A. E&amp;P) &amp; D. Perez (Schlumberger Overseas)</i>
08:30	<b>Th LHR5 01 - Wavefield Separation of Multicomponent Land Seismic Data Using Spatial Wavefield Gradients</b> - C. Van Renterghem* (ETH Zurich), C. Schmelzbach (ETH Zurich) & J.O.A. Robertsson (ETH Zurich)	<b>Th SBT1 01 - Optimization of Post-hydraulic-fracturing Flowback Cleanup Utilizing Polymer Content Determination in Flowback Liquid Samples</b> - A.H. Al-Ali* (Saudi Aramco), H.A. Al-Anazi (Saudi Aramco) & A.A. Aziz (Saudi Aramco)
08:55	<b>Th LHR5 02 - Comparisons between Buried and Laid Seabed Cable on the Valhall Field and Challenges Processing PZ and PS Data</b> - A.F. Dawson* (Schlumberger), M. Porter (Schlumberger) & R. Frampton (Schlumberger)	<b>Th SBT1 02 - Innovative Approach of Coiled Tubing Pipe Integrity Control in High Chrome Completion and Harsh Environment</b> - A. Zhaxybekov (KazMunaiGaz-EMG), G. Kuserbayev (Schlumberger), A. Burov (Schlumberger), Y. Jumagaliyev* (Schlumberger) & R. Gaidanov (Schlumberger)
09:20	<b>Th LHR5 03 - SVD-based Hydrophone Driven Shear Noise Attenuation for Shallow Water OBS</b> - A. Roodaki* (CGG), G. Bouquard (CGG), O. Bouhdiche (CGG), R. Sternfels (CGG), A. Rollet (CGG) & A. Lafram (Total)	<b>Th SBT1 03 - Pillar Fracturing Technique Application in the Algerian Desert for Well Production Enhancement</b> - L. Dal Forno* (eni Algeria), V. Melchiorre (eni Algeria), K.A. Rispler (Halliburton), M. Gheraissa (Halliburton), M.L. Phillippi (Halliburton), E. Petteruti (eni Algeria), D. Fragola (eni Algeria), M. Allal (Sonatrach), H. Hachelaf (Sonatrach), D. Albani (eni Algeria), T. Hamdane (Sonatrach), O. Mohammed (Halliburton) & M. Kateb (Halliburton)
09:45	<b>Th LHR5 04 - Correcting the Orientation of the Horizontal Receiver Based on the Common Attitude Gather in 3D3C Seismic Exploration</b> - D.K. He* (China University of Mining & Technology, Beijing) & S.P. Peng (China University of Mining & Technology, Beijing)	<b>Th SBT1 04 - Determining the Zeta Potential of Intact Shales via Electrophoresis</b> - B.B. Hoxha* (University of Texas at Austin), G.J. Sullivan (University of Texas at Austin), E. van Oort (University of Texas at Austin), H. Daigle (University of Texas at Austin) & C. Schindler (Malvern)
10:10	<b>Break</b>	<b>Break</b>
10:30	<b>Th LHR5 05 - Application of PP-PS Joint Inversion in Thin Shale Interbed Prediction - G.C. Xu* (RIPED, PetroChina Limited), X.F. Liu (RIPED, PetroChina Limited), J.L. Guo (RIPED, PetroChina Limited), J.S. Li (RIPED, PetroChina Limited) &amp; W.S. Huang (RIPED, PetroChina Limited)</b>	<b>Th SBT1 05 - Successful First Multistage Hydratet Assisted Fracturing Process in an Ecuadorian Mature Field</b> - J. Carrión (Petroamazonas EP), M. Herrera* (Halliburton), E.A. Chuc (Halliburton), J. Chapa (Halliburton) & R.M. Hernandez (Halliburton)
10:55	<b>Th LHR5 06 - Maximizing the Value of Sparsely and Irregularly Sampled OBC Seismic Data Offshore Abu Dhabi</b> - S. Nakayama* (ADMA-OPCO / INPEX), M.A. Benson (ADMA-OPCO), O. Khakimov (CGG), F. Janik (CGG) & G. Kwasny (CGG)	<b>Th SBT1 06 - Comparative Study on Acid Fracturing and Propped Hydraulic Fracturing for the High-pressure Tight Carbonate Formation</b> - A. Suleimenova (Texas A&M University), X. Wang (Texas A&M University), D. Zhu* (Texas A&M University) & A.D. Hill (Texas A&M University)
11:20	<b>Th LHR5 07 - Horizon-based Splitting Intensity Analysis and Inversion for Anisotropic Characterization</b> - D. Boiero* (Schlumberger) & C. Bagaini (Schlumberger)	
11:45	<b>Th LHR5 08 - Multi-modal Surface Wave Inversion and Application to North Sea OBN Data</b> - S. Hou (CGG), D. Zheng (CGG), X.G. Miao* (CGG) & R.R. Haacke (CGG)	
12:10	<b>Lunch</b>	<b>Lunch</b>
	<b>SHALE GEOLOGY</b> <i>A.M. Dayal (National Geophysical Research Institute) &amp; H. El Euch (NIS Gazprom Neft)</i>	<b>SEISMIC HSE</b> <i>G.F.T. Watts (Watts Geoscience Consulting Ltd)</i>
13:30	<b>Th LHR5 09 - Fracture Stratigraphy of the Vaca Muerta Formation</b> - K.M. Bishop* (Colorado School of Mines) & T.L. Davis (Colorado School of Mines)	<b>Th SBT1 09 - Focus on Operational Efficiency and Crew Safety - Introducing Advanced ROV Technology in Marine Towed Streamer Seismic</b> - R. Tonnessen* (Petroleum Geo-Services) & T. Skadberg (Petroleum Geo-Services)
13:55	<b>Th LHR5 10 - Measurements and Modelling of the Elastic Properties of Artificial Shales</b> - R. Beloborodov* (Curtin University), M. Pervukhina (CSIRO) & M. Lebedev (Curtin University)	<b>Th SBT1 10 - Vessel Safe Towing Capacity Assessment</b> - E.L. l'Arvor* (Total Exploration & Production) & T.C. Choquer (Kappa Offshore Solutions)
14:20	<b>Th LHR5 11 - Nanostructural Investigations on Potential Gas Shales of the Dniepr-Donets Basin (Ukraine)</b> - D. Misch* (Montanuniversitaet Leoben), J. Klaver (RWTH Aachen - Energy & Mineral Resources Group), D. Groß (Montanuniversitaet Leoben), J. Schmatz (RWTH Aachen - Energy & Mineral Resources Group), R.F. Sachsenhofer (Montanuniversitaet Leoben) & F. Mendez-Martin (Montanuniversitaet Leoben)	<b>Th SBT1 11 - Seismic in the Arctic - from Sea to Land</b> - T.A. Johansen* (University of Bergen) & B.O. Ruud (University of Bergen)
14:45		<b>Th SBT1 12 - Strategies for Sustainable Development – a Case Study from India</b> - S.K. Sharma* (Carman Residential and Day School)
15:10	<b>Break</b>	<b>Break</b>
	<b>GEOMECHANICAL MODELLING</b> <i>J.P. Verdon (University of Bristol) &amp; J. Sarout (CSIRO Earth Science and Resource Engineering)</i>	<b>PORE PRESSURE PREDICTION</b> <i>A. Edwards (Ikon Science Ltd) &amp; F.B. Kets (University of Leeds)</i>
15:30	<b>Th LHR5 13 - One 4D Geomechanical Model and its Many Applications</b> - J.V. Herwanger* (Ikon Science), A. Bottrill (Ikon Science) & P. Popov (Ikon Science)	<b>Th SBT1 13 - Overpressure Detection Using Shear-wave Velocity Data - A Case Study from the Kimmeridge Clay Formation, UK CNS</b> - A. Edwards* (Ikon Science Ltd), S. O'Connor (Ikon Science Ltd) & S. Green (Ikon Science Ltd)
15:55	<b>Th LHR5 14 - How Much Complexity is Needed in Geomechanical Modelling to Get an Accurate Answer?</b> - G. Hoedeman* (Baker Hughes) & W. van der Zee (Baker Hughes)	<b>Th SBT1 14 - Seismic Characters of Pore Pressure Due to Smectite-to-illite Transition</b> - X. Qin* (University of Houston) & D. Han (University of Houston)
16:20	<b>Th LHR5 15 - Risk Assessment for Fault Seal and Cap Rock Integrity Breach during EOR Operations</b> - M. Holland (Baker Hughes) & W. van der Zee* (Baker Hughes)	<b>Th SBT1 15 - Construction of Normal Compaction Trends for Overpressure Prediction in Organic-rich Shales</b> - Q. Hu* (Sinopec Geophysical Research Institute), H.F. Hu (Sinopec Geophysical Research Institute) & H.L. Cao (Sinopec Geophysical Research Institute)
16:45	<b>Th LHR5 16 - Geomechanical Origin of Focused Fluid Flow and Chimney Structures</b> - V. Yarushina* (Institute for Energy Technology), L. Räss (University of Lausanne) & Y.Y. Podladchikov (University of Lausanne)	<b>Th SBT1 16 - A New Method for Pore Pressure Predictions in Shaley Sandstone Reservoirs</b> - S. Li (China University of Petroleum (Beijing)), Q. Li* (China University of Petroleum (Beijing)), X. Lu (China University of Petroleum (Beijing)) & Y. Kang (China University of Petroleum (Beijing))



## Oral presentations Thursday 2 June

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Schubert 2		Schubert 3	
<b>EOR (SPE)</b> <i>T. Clemens (OMV Exploration &amp; Production GmbH) &amp; C.M. Coll (BG Group plc)</i>		<b>MICRO AND PASSIVE SEISMIC EVENT DETECTION AND ANALYSIS I</b> <i>A.V. Strudley (Chevron Global Upstream &amp; Gas) &amp; A.A. Duchkov (Institute of Petroleum Geology &amp; Geophysics SB RAS)</i>	
08:30	<b>Th SBT2 01 - In situ Heavy Oil Upgrading Through Ultra-disperse Nano-Catalyst Injection in Naturally</b> - C.R. Orozco Castillo* (PEMEX) & P. Pereira Almas (University of Calgary)	<b>Th SBT3 01 - Can Stacking Absolute Values Give Better Signal-to-noise Ratio than Raw Signal Stacking?</b> - J. Trojanowski* (Institute of Geophysics, PAS) & L. Eisner (IRSM Czech Academy of Sciences and Seismik s.r.o.)	
08:55	<b>Th SBT2 02 - Insight of HASD Technology in an Extra Heavy Oil Field in Comparison to Traditional Thermal EOR Processes</b> - S. Perez* (Repsol S.A.) & E. Escobar (Repsol S.A.)	<b>Th SBT3 02 - The Structure-tensor Analysis for Optimal Microseismic Data Partial Stack</b> - G. Loginov* (Novosibirsk State University), A. Duchkov (Institute of Petroleum Geology and Geophysics) & F. Andersson (Lund University)	
09:20	<b>Th SBT2 03 - Mechanical Degradation of Polymers During Injection, Reservoir Propagation and Production - Field Test Results 8 TH Reservoir, Austria</b> - C. Puls (OMV), T. Clemens* (OMV), C. Stedz (Mining University Leoben), R. Kadnar (OMV) & T. Gumpenberger (OMV)	<b>Th SBT3 03 - An Automatic Arrival Time Picking Method Based on RANSAC Curve Fitting</b> - L. Zhu (Georgia Institute of Technology), E. Liu* (Georgia Institute of Technology) & J.H. McClellan (Georgia Institute of Technology)	
09:45	<b>Th SBT2 04 - Simulation Study of Application of a Water Diverting Gel in Enhanced Oil Recovery</b> - A. Jahanbani Ghahfarokhi* (Norwegian University of Science and Technology), J. Kleppe (Norwegian University of Science and Technology) & O. Torsaeter (Norwegian University of Science and Technology)	<b>Th SBT3 04 - Joint Inversion of Perforations and Microseismic Events</b> - X. Tian* (University Of Science And Technology Of China), W. Zhang (University Of Science And Technology Of China) & J. Zhang (University Of Science And Technology Of China)	
10:10	<b>Break</b>	<b>Break</b>	
		<b>UNCONVENTIONAL RESOURCES I (SPE)</b> <i>T.M. Whittle (BG Group plc)</i>	
10:30	<b>Th SBT2 05 - Simulation of Complex Composite EOR Processes at Lab and Field Scale</b> - O. Pettersen* (Uni Research CIPR) & A. Skauge (Uni Research CIPR)	<b>Th SBT3 05 - Coupling of Darcy's Equation with Molecular Transport and Its Application to Upscaling Kerogen Permeability</b> - R. Kou (Texas A&M University), S.F. Alafnan (Texas A&M University) & I.Y. Akkutlu* (Texas A&M University)	
10:55	<b>Th SBT2 06 - Using Sacrificial Agents to Enhance Surfactant Performance in the Eagle Ford Shale</b> - K. He* (Multi-Chem - A Halliburton Service), Z. Yue (Multi-Chem - A Halliburton Service) & L. Xu (Multi-Chem - A Halliburton Service)	<b>Th SBT3 06 - Gas Flow Transport in Shale Matrix: Simultaneous Effects of Stress and Slippage on Matrix Permeability</b> - R. Nazari Moghaddam* (Heriot-Watt University) & M. Jamiolahmady (Heriot-Watt University)	
11:20		<b>Th SBT3 07 - Experimental Investigation of Cryogenic Fracturing under Triaxial Confining Stress</b> - M. Alqahtani (King Abdulaziz City for Science and Technology), M. Cha (Texas A&M University), B. Yao (Colorado School of Mines), X. Yin (Colorado School of Mines), T.J. Kneafsey (Lawrence Berkeley Laboratory), L. Wang (Colorado School of Mines), Y. Wu* (Colorado School of Mines) & J. Miskimins (Colorado School of Mines)	
11:45		<b>Th SBT3 08 - General Approach to Characterize Reservoir Fluids Using a Large PVT Database</b> - F. Varzandeh* (Technical University of Denmark), W. Yan (Technical University of Denmark) & E.H. Stenby (Technical University of Denmark)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>REJUVENATING MATURE FIELDS (SPE)</b> <i>F.M. Verga (Politecnica di Torino)</i>		<b>UNCONVENTIONAL RESOURCES II (SPE)</b> <i>T. Manai (Schlumberger) &amp; T.M. Whittle (BG Group plc)</i>	
13:30	<b>Th SBT2 09 - Case Study of a Super-giant Field Rejuvenation</b> - Y. Li* (RIPED, PetroChina), B. Li (RIPED, PetroChina), L. Liu (RIPED, PetroChina), L. Xiong (RIPED, PetroChina), H. Luo (RIPED, PetroChina), H. Peng (RIPED, PetroChina) & D. Wang (RIPED, PetroChina)	<b>Th SBT3 09 - Shale Reserve Forecasting -- Model Consistency and Uncertainty</b> - C.H. Whitson* (NTNU), C.M. Coll (BG Group), M. Majzoub Dahouk (Petrostreamz AS) & A.O. Juell (Petrostreamz AS)	
13:55	<b>Th SBT2 10 - Production Acceleration in a Key Reservoir by Proactive Well Placement, Utilizing Innovative Logging-While-Drilling (LWD) Technology in the Vienna Basin, Austria</b> - P. Toth* (OMV), R. Knezevic (OMV), A. Blanzano (OMV), F. Chinellato (Schlumberger), V. Vergani (Schlumberger), O. Gorshenina (Schlumberger) & J.T. Dolan (Schlumberger)	<b>Th SBT3 10 - Unconventional Plays, Various Lithologies - Constant Stress Gradients</b> - M. Parotidis* (BG Group), N. Hummel (BG Group), J. Graham (BG Group), J. Wheeler (BG Group) & T. Pritchard (BG Group)	
14:20	<b>Th SBT2 11 - Integrated Productivity Analysis for Revitalizing a Mature Field in Ecuador</b> - R.M. Hernandez* (Halliburton) & S. Bustillos (Independent)	<b>Th SBT3 11 - Coupling Geomechanical Effects and Reservoir Dynamics for Modeling Rejuvenation in Unconventional Plays</b> - R. Dutta (Baker Hughes), R. Pinto* (Baker Hughes), J.C. Flores (Baker Hughes) & C.J. McBurney (Baker Hughes)	
14:45	<b>Th SBT2 12 - A Novel Methodology to Identify Short Term Production Opportunities in Mature Fields</b> - J.E. Paredes* (Pemex E&P), Y.D. Munoz (Pemex E&P), R. Perez (Pemex E&P), L.M. Perera (Pemex E&P) & C.J. Larez (Schlumberger)	<b>Th SBT3 12 - Gas Storage in Model Kerogen Pores with Surface Heterogeneities</b> - D.C. Albarracin* (Texas A&M University), Y. Akkutlu (Texas A&M University), L. Criscenti (Sandia National Laboratories) & Y. Wang (Sandia National Laboratories)	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>Th SBT2 13 - Developing Marginal Near-tight Gas Fields in a Mature Area With Long-reach Hydraulically Fractured Wells - A Case Study</b> - P. Weijermans* (Engie E&P Nederland B.V.), G. Daniau (Engie E&P Nederland B.V.) & D. Westerhof (Engie E&P Nederland B.V.)	<b>Th SBT3 13 - Analytical Methods for Single-phase Oil Flow - Accounting for Changing Liquid and Rock Properties</b> - E. Stalgorova* (IHS) & L. Mattar (IHS)	
15:55	<b>Th SBT2 14 - Water-soluble Sodium Silicate Gels for Water Management in Naturally Fractured Carbonate Reservoirs</b> - D.G. Hatzignatiou* (UiS and IRIS) & N.H. Giske (IRIS)	<b>Th SBT3 14 - Theoretical Analysis and Experimental Research of Channel Fracturing in Unconventional Reservoir</b> - T. Hou* (China University of Petroleum - Beijing), S. Zhang (China University of Petroleum - Beijing), B. Yu (China University of Petroleum - Beijing), X. Lv (China University of Petroleum - Beijing), J. Zhang (Heriot-Watt University), J. Han (China University of Petroleum - Beijing) & D. Li (China University of Petroleum - Beijing)	
16:20	<b>Th SBT2 15 - First Sealant Application in a Multi-layered Reservoir with Water Entry in One Zone, in Lago Agrio Field, Ecuador</b> - R.M. Hernandez* (Halliburton), D. Medina (Halliburton), F. Calderon (Halliburton), N. Enriquez (Halliburton) & M. Moran (Petroamazonas)	<b>Th SBT3 15 - Robust Optimization of Unconventional Reservoirs Under Uncertainties</b> - N.T. Nguyen* (University of Calgary), C.T. Dang (Computer Modelling Group Ltd), L.X. Nghiem (Computer Modelling Group Ltd), Z. Chen (University of Calgary) & H. Li (Computer Modelling Group Ltd)	
16:45	<b>Th SBT2 16 - Maximizing Mature Field Production - A Novel Approach to Screening Mature Fields Revitalization Options</b> - J. O'Brien* (Halliburton), L. Sayavedra (Halliburton), J.L. Mogollon (Halliburton), T.M. Lokhandwala (Halliburton) & R. Lakani (Halliburton)		

## Oral presentations Thursday 2 June

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Schubert 4		Schubert 5	
	<b>CO2 CAPTURE AND STORAGE</b> <i>R. Villegas (University of Manchester) &amp; A. Gendrin (Schlumberger Cambridge Research)</i>		<b>SEISMIC MODELLING III</b> <i>E. Iversen (NORSAR)</i>
08:30	<b>Th SBT4 01 - Constraints on the Magnitude of Anisotropy of a Deep Saline CO2 Storage Reservoir with Large Impedance and Anisotropy</b> - L.A.N. Roach* (University of Leeds), D.A. Angus (University of Leeds) & D.J. White (Geological Survey of Canada)		<b>Th SBT5 01 - A Dynamic Lattice Method for Seismic Wave Simulation in TI Media with Free Surface Topography</b> - X. Hu* (University of Science and Technology of China), X. Jia (University of Science and Technology of China) & W. Zhang (University of Science and Technology of China)
08:55	<b>Th SBT4 02 - Preliminary Seismic Time-lapse Results from the First Post-injection Survey at the Ketzin Pilot Site</b> - F. Huang* (Uppsala University), M. Ivandic (Uppsala University), C. Juhlin (Uppsala University), S. Lüth (GFZ German Research Centre for Geosciences), P. Bergmann (GFZ German Research Centre for Geosciences), M. Andersson (Uppsala University), J. Götz (GFZ German Research Centre for Geosciences), A. Ivanova (GFZ German Research Centre for Geosciences) & F. Zhang (Uppsala University)		<b>Th SBT5 02 - Modelling Seismic Data for Time-varying Rough Sea Surfaces</b> - E. Cecconello* (EOST), E. G. Asgedom (PGS Geophysical AS), O.C. Orji (PGS Geophysical AS) & W. Söllner (PGS Geophysical AS)
09:20	<b>Th SBT4 03 - Five Years of CO2 Injection Monitoring at Ketzin, Germany, Using Electrical Resistivity Tomography</b> - P. Bergmann* (GFZ/Sintef), C. Schmidt-Hattenberger (GFZ), T. Labitzke (GFZ), F. Wagner (GFZ/ETH Zürich), A. Just (Leipzig University), C. Flechsig (Leipzig University) & D. Rippe (GFZ)		<b>Th SBT5 03 - Using a Marchenko-redatumed Reflection Response as an Exact Boundary Condition</b> - P. Elison* (ETH Zurich), D.J. van Manen (ETH Zurich), F. Broggini (ETH Zurich) & J.O.A. Robertsson (ETH Zurich)
09:45	<b>Th SBT4 04 - Subsurface Imaging Using Buried DAS and Geophone Arrays - Preliminary Results from CO2CRC Otway Project</b> - S. Yavuz (Curtin University and CO2CRC), B.M. Freifeld (Lawrence Berkeley National Laboratory), R. Pevzner* (Curtin University and CO2CRC), K. Tertyshnikov (Curtin University and CO2CRC), A. Dzunic (Curtin University and CO2CRC), S. Ziramov (Curtin University and CO2CRC), V. Shulakova (CSIRO and CO2CRC), M. Robertson (Lawrence Berkeley National Laboratory), T.M. Daley (Lawrence Berkeley National Laboratory), A. Kopic (Curtin University and CO2CRC), M. Urosevic (Curtin University and CO2CRC) & B. Gurevich (Curtin University, CSIRO and CO2CRC)		<b>Th SBT5 04 - An Efficient Solver for a New Pure-anisotropic Wave Equation</b> - L.-J. Gallin* (Opera - Applied Geophysical Research Group), R. Baina (Opera -Applied Geophysical Research Group) & V. Duprat (Opera -Applied Geophysical Research Group)
10:10	<b>Break</b>		<b>Break</b>
10:30	<b>Th SBT4 05 - Determination of CO2 Capillary Entry Pressure in Cap-rock Shale</b> - I.A. Akervoll* (SINTEF Petroleum Research)		<b>Th SBT5 05 - Exploring a Priori Reduced Order Models for Fast Seismic Simulations</b> - D. Modesto* (Barcelona Supercomputing Center) & J. de la Puente (Barcelona Supercomputing Center)
10:55	<b>Th SBT4 06 - Evaluating Potential CO2 Injection Capacity of Aquifers Based on Well Testing</b> - A. Shchibanov* (IRIS), L. Kollbotn (IRIS), R. Berenblyum (IRIS) & V. Hladik (CGS)		<b>Th SBT5 06 - Exact Frequency Dependent Rays on the Basis of Helmholtz Solver</b> - M. Protasov* (IPGG SB RAS, Novosibirsk State University), K. Gadylyshin (IPGG SB RAS) & L. Nazarov (ICEMR RAS, Institute of Mining of SB RAS)
11:20	<b>Th SBT4 07 - Experimental Study of the Impact of Salinity and Temperature on Convection Mechanism During CO2 Storage in Saline Aquifers</b> - M. Seyyedi Nasooh Abad (Heriot-Watt University), B. Rostami (University of Tehran) & J. Pazhoohan* (Quchan University of Advanced Technology)		<b>Th SBT5 07 - Third-order Symplectic Integration Method with Inverse Time Dispersion Transform for Long-term Simulation</b> - Y. Gao* (Institute of Geology and Geophysics, CAS), J. Zhang (Institute of Geology and Geophysics, CAS) & Z. Yao (Institute of Geology and Geophysics, CAS)
11:45	<b>Th SBT4 08 - Modelling Basin-scale CO2 Storage in the Bunter Sandstone of the UK Southern North Sea</b> - S. Agada* (Imperial College London), C. Kolster (Imperial College London), G. Williams (British Geological Survey) & S. Krevor (Imperial College London)		<b>Th SBT5 08 - Downsampling Plus Interpolation for Wavefield Reconstruction by Reverse Propagation</b> - P. Yang* (Universite Grenoble Alpes), R. Brossier (University Grenoble Alpes) & J. Virieux (University Grenoble Alpes)
12:10	<b>Lunch</b>		<b>Lunch</b>
	<b>EOR - MANY OPTIONS, ONE GOAL</b>		<b>SEISMIC MODELLING IV</b> <i>V.V. Lisitsa (Institute of Petroleum Geology &amp; Geophysics SB RAS)</i>
13:30	<b>Th SBT4 09 - Data Analysis and Screening Guidance for Field CO2 Flooding Projects in the United States</b> - M.F. Yin (Missouri University of Science and Technology), M.Z. Wei* (Missouri University of Science and Technology) & B.J. Bai (Missouri University of Science and Technology)		<b>Th SBT5 09 - Anelastic Modeling for the Media with Irregular Fluid-solid Interfaces</b> - Y.M. Qu* (China University of Petroleum), Z.C. Li (China University of Petroleum), J.P. Huang (China University of Petroleum) & J.L. Li (China University of Petroleum)
13:55	<b>Th SBT4 10 - Numerical Simulation of Foam Injection in Fractured Carbonates - Quantifying the Impacts of Foam and Reservoir Properties</b> - A. Almqabali* (Heriot-Watt University), S. Geiger (Heriot-Watt University) & E. Mackay (Heriot-Watt University)		<b>Th SBT5 10 - Seismic Forward Modelling with Pore Pressure Effect</b> - Y.C. Ning* (China University of Petroleum(Beijing)), Y. Rao (China University of Petroleum(Beijing)), Y.H. Wang (Center for Reservoir Geophysics, Imperial College), X.H. Chen (China University of Petroleum(Beijing)) & J.Y. Li (China University of Petroleum(Beijing))
14:20	<b>Th SBT4 11 - Effect of Fractional Gas Injected on Gas Relative Permeability in Near-miscible SWAG Flood</b> - F. Kamali (The University of New South Wales) & F. Hussain* (The University of New South Wales)		<b>Th SBT5 11 - Theory and Modelling of Viscoelastic Anisotropic Media Using Fractional Time Derivative</b> - Z.H. Qiao* (China University of Petroleum(East China)), C.Y. Sun (China University of Petroleum(East China)) & D.S. Wu (China University of Petroleum(East China))
14:45	<b>Th SBT4 12 - Experimental and numerical studies on Downhole Gasification technique for improved oil recovery using a semi pilot rig</b> - D.A. Sanchez Monsalve* (PDVSA Intevep), G. Greaves (University of Bath) & P. Plucinski (University of Bath)		<b>Th SBT5 12 - Comparison of Elastic vs Poroelastic and Semi-analytical vs Finite-difference Seismic Modelling</b> - A. Mesgouez* (UMR EMMAH, Université d'Avignon), B.O. Rosland (Skagen44 AS, Stavanger), G. Chiavassa (Ecole Centrale de Marseille), B. Lombard (Laboratoire de Mécanique et d'Acoustique,Marseille), G. Lefeuvre-Mesgouez (UMR EMMAH, Université d'Avignon) & R.J. Brown (University of Stavanger and Skagen44 AS)
15:10	<b>Break</b>		<b>Break</b>
15:30	<b>Th SBT4 13 - Degradation of Synthetic Polymers during Radial Injection in a Sandstone</b> - C. Rosenkilde* (Statoil ASA), K. Brakstad (Statoil ASA) & J.B. Smith (Statoil ASA)		<b>Th SBT5 13 - Study on the Effect of Water Saturation on Acoustic Properties for Two Phase Medium Based Artificial Cores</b> - Y. Pei* (Sinopec Geophysics Research Institute), Q. Yang (Sinopec Geophysics Research Institute), Q. Zhao (Sinopec Geophysics Research Institute), Z. Ma (Sinopec Geophysics Research Institute), W. Liu (Sinopec Geophysics Research Institute) & S. Xue (Sinopec Geophysics Research Institute)
15:55	<b>Th SBT4 14 - New Approach for Optimization of Polymer Flooding as an Enhanced Oil Recovery Method</b> - P. Alikhani* (Institute of Petroleum Engineering, Heriot-Watt) & K.D. Stephen (Institute of Petroleum Engineering, Heriot-Watt)		<b>Th SBT5 14 - 3D Elastic Wave Modeling Using Hybrid Absorbing Boundary Condition and Global Optimal Implicit Finite-difference Scheme</b> - X. Liu* (China University of Petroleum(Beijing)) & Y. Liu (China University of Petroleum(Beijing))
16:20	<b>Th SBT4 15 - Protected Polyacrylamide Nanostructure Used for Enhanced Oil Recovery Process</b> - Y. Tamsilian* (Sharif University of Technology), A. Ramazani S.A. (Sharif University of Technology), M. Shaban (Sharif University of Technology), S. Ayatollahi (Sharif University of Technology), J.C. De La Cal (University of the Basque Country), J.J. Sheng (Texas Tech University) & R. Tomovska (University of the Basque Country)		<b>Th SBT5 15 - A 2.5D Elastic Wave Modeling Algorithm Using Near-optimal Quadratures</b> - M. Li (Tsinghua University), V. Druskin (Schlumberger), A. Abubakar* (Schlumberger) & T. Habashy (Schlumberger)
16:45	<b>Th SBT4 16 - Improved Heavy Oil Recovery by Nanofluid Surfactant Flooding - An Experimental Study</b> - G. Cheraghian* (Young Researchers and Elite Club, Islamic Azad Uni)		<b>Th SBT5 16 - Optimized Least Squares Method for Elastic-wave Variable-order Rotated Staggered-grid Forward Modeling</b> - W.Z. Wang* (Peking University), T. Hu (Peking University), S.P. An (Peking University), J.Y. Song (RIPED, PetroChina), Y.D. Li (RIPED, PetroChina), J.S. Li (RIPED, PetroChina) & Y. Zhang (RIPED, PetroChina)

## Oral presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Stolz 0		Stolz 1	
<b>ROCK PHYSICS IV - CARBONATE AND SOURCE ROCK</b> <i>M.A.R. Ceia (State University of Norte Fluminense (UENF)) &amp; N.H. Mondol (University of Oslo)</i>		<b>SEISMIC NOISE ATTENUATION</b> <i>J. Brittan (ION) &amp; M.J. Sheath (Statoil ASA)</i>	
08:30	<b>Th STZ0 01 - Experimental Studies on Dense Carbonates - An Analysis of Elastic Properties Dependent on Pore Structure</b> - J.G. Zhao* (China University of Petroleum (Beijing)), X.X. Huang (China University of Petroleum (Beijing)), X.Y. Ma (China University of Petroleum (Beijing)), H.J. Yin (China University of Petroleum (Beijing)), L.M. Zhao (China University of Petroleum (Beijing)) & S.X. Wang (China University of Petroleum (Beijing))	<b>Th STZ1 01 - Adaptive Windowed Deghosting - Applications to FAZ Acquisition</b> - Z. Zhang* (TGS), Z. Wu (TGS), B. Wang (TGS) & J. Ji (TGS)	
08:55	<b>Th STZ0 02 - Rock Physics Modeling of Heterogeneous Carbonate Reservoirs - Porosity Estimation and Hydrocarbon Detection</b> - H. Yu* (RIPED, PetroChina Limited), J.S. Li (RIPED, PetroChina Limited) & G.C. Xu (RIPED, PetroChina Limited)	<b>Th STZ1 02 - Practical Aspects of Non Local Means Filtering of Seismic Data</b> - C.I. De Gaetani* (Dolphin Geophysical Ltd), S.P. Winters (Dolphin Geophysical Ltd), J. Barnes (Dolphin Geophysical Ltd) & S. Grien (Dolphin Geophysical Ltd)	
09:20	<b>Th STZ0 03 - Construction and Evaluation of a Realistic Synthetic Organic-rich Shale - Based on Hot-pressing Technique</b> - J.Y. Xie* (China University of Petroleum(Beijing)), B.R. Di (China University of Petroleum(Beijing)), J.X. Wei (China University of Petroleum(Beijing)) & Y.K. Chen (University of Texas at Austin)	<b>Th STZ1 03 - Enhanced 3D Broadband Processing - A Case Study from the Edvard Grieg Field</b> - N. Salaun* (CGG), V. Cavalie (CGG), P. Borisevitch (CGG), D. Hardouin (CGG) & A. Wright (CGG)	
09:45	<b>Th STZ0 04 - Determination of Transport Properties in Carbonate Rock Sample Using Multi-scale CT Images</b> - H. Sun* (The Petroleum Institute, Abu Dhabi, UAE), S. Vega (The Petroleum Institute, Abu Dhabi, UAE) & G. Tao (The Petroleum Institute, Abu Dhabi, UAE)	<b>Th STZ1 04 - Random Noise Attenuation Using Non-local Bayes Algorithm</b> - D.K. Chang* (PetroChina), W.Y. Yang (PetroChina), Y.H. Wang (PetroChina), Q. Yang (PetroChina) & X.J. Wei (PetroChina)	
10:10	Break	Break	
10:30	<b>Th STZ0 05 - Effects of Fracture Intersections on Seismic Dispersion - Theoretical Predictions Versus Numerical Simulations</b> - J. Guo* (Curtin University), J.G. Rubino (University of Western Ontario), B. Gurevich (Curtin University), S. Glubokovskikh (Curtin University), A. Dyskin (The University of Western Australia) & E. Pasternak (The University of Western Australia)	<b>Th STZ1 05 - Random Noise Attenuation Based on Orthogonal Polynomial Transform in the Flattened Domain</b> - Y. Chen (University of Texas at Austin), Y. Xue (China University of Petroleum - Beijing), Z. Cheng (University of Southern California), S. Gan (China University of Petroleum - Beijing) & D. Zhang* (China University of Petroleum - Beijing)	
10:55	<b>Th STZ0 06 - A Frequency-dependent Velocity Prediction Model Based on Double-porosity Media Theory</b> - S.Z. Sun* (China University of Petroleum, Beijing), Y.G. Yang (China University of Petroleum, Beijing), J.P. Yang (Tarim Oilfield Co., CNPC) & Z.S. Liu (China University of Petroleum, Beijing)	<b>Th STZ1 06 - Inversion-based t-x Domain Signal-preserving Random Noise Reduction method</b> - Y. Zhao* (China University of Petroleum (Beijing)), G. Li (China University of Petroleum (Beijing)), J. Wei (China University of Petroleum (Beijing)), B. Li (China University of Petroleum (Beijing)), J. Wang (China University of Petroleum (Beijing)) & M. Wang (China University of Petroleum (Beijing))	
11:20	<b>Th STZ0 07 - Feasibility Analysis of a Kerogen Analogue Used in the Construction of Artificial Organic-rich Shale Samples</b> - J.Y. Xie* (China University of Petroleum(Beijing)), B.R. Di (China University of Petroleum(Beijing)) & J.X. Wei (China University of Petroleum(Beijing))	<b>Th STZ1 07 - Statistical Modelling of Pre-injection Noise Recorded at the Aquistore Carbon Storage Site</b> - C. Birnie* (University of Leeds), K. Chambers (Nanometrics Inc.) & D. Angus (University of Leeds)	
11:45	<b>Th STZ0 08 - Rock Physics Integration to Seismic Reservoir Characterization - A Carbonate Reservoir Case Study</b> - M. Maleki* (Pars Petro Zagros Geophysics), R. Alamshahi (Sealand Engineering and Well Services) & J. Nasser (Pars Petro Zagros Geophysics)	<b>Th STZ1 08 - Random Noise Attenuation in Reflection Seismic Data Using Adaptive Neuro-fuzzy Interference System (ANFIS)</b> - A. Hajian* (Najafabad Branch, Islamic Azad University), R. Kimiaefar (Najafabad Branch, Islamic Azad University) & H.R. Siahkoochi (University of Tehran)	
12:10	Lunch	Lunch	
<b>SEISMIC ATTENUATION II</b> <i>T.M. Mueller (CSIRO Earth Science and Resource Engineering) &amp; Y. Wang (Imperial College London)</i>		<b>INTERPRETATION CASE STUDIES</b> <i>G. Paton (GeoTeric) &amp; K.C. Fischer (Wintershall Holding GmbH)</i>	
13:30	<b>Th STZ0 09 - Seismic Attenuation in Porous Rocks Containing Random Distributions of Aligned Fractures</b> - N Barbosa* (University of Lausanne), E. Caspari (University of Lausanne), J.G. Rubino (University of Western Ontario) & K. Holliger (University of Lausanne)	<b>Th STZ1 09 - Mapping the Basal Tertiary Maureen Fm. at the Mariner Field with Isometrix Broadband Data</b> - P.J. McFadzean* (Statoil Production UK Ltd.) & N. McArdle (Statoil Production UK Ltd.)	
13:55	<b>Th STZ0 10 - Image Quality Enhancement Using Volumetric Q-tomography and Q-PSDM - Martin Linge Case Study</b> - F. Gamar-Sadat* (CGG), L. Janot (CGG), D. Carotti (CGG), J. Morante Gout (TOTAL Norge), J.P. Mascemere (TOTAL EP) & G. Mikkelsen (TOTAL Norge)	<b>Th STZ1 10 - Integrated Post-stack Acoustic Seismic Inversion Case Study to Enhance Geological Model Description of Upper Ordovician</b> - N. Nosjean* (Engie), O. Voutay (Engie), S. Clerc (Engie), M. Dupouy (Engie), A. Lloyd (Engie) & S. Zahir (Sonatrach)	
14:20	<b>Th STZ0 11 - P-wave Seismic Attenuation - Effects of Inhomogeneous Rock Properties Based on Patchy Saturated Model</b> - S. Zhang* (China University of Petroleum (Beijing)), S. Chen (China University of Petroleum (Beijing)), X.Y. Li (China U of petroleum, British Geological Survey) & S. Sun (Geophysical Technology Research Centre, BGP)	<b>Th STZ1 11 - Interpretation of Complex Reservoirs - From Outcrops to Superresolution Imaging</b> - T.J. Moser* (Moser Geophysical Services), S. Johansen (Norwegian University of Science and Technology), B. Arntsen (Norwegian University of Science and Technology), E.B. Raknes (Norwegian University of Science and Technology) & S. Sangesland (Norwegian University of Science and Technology)	
14:45	<b>Th STZ0 12 - Selecting a Dispersion Model-type for Anelastic FWI - Near-Surface Characterization Using Uncorrelated Vibroseis Data</b> - K.A. Innanen* (University of Calgary)	<b>Th STZ1 12 - Application of bandwidth extended seismic attributes to aid trap definition in Paleocene reservoir, Faroe-Shetland basin</b> - T. Fukano* (JX Nippon Exploration and Production (U.K.) Ltd), S. Pugliese (JX Nippon Exploration and Production (U.K.) Ltd) & M. Hibbert (JX Nippon Exploration and Production (U.K.) Ltd)	
15:10	Break	Break	
15:30	<b>Th STZ0 13 - High-efficiency and Accurate Attenuation Compensation in Reverse-time Migration</b> - Q.Q. Li* (China University of Petroleum (Beijing)), H. Zhou (China University of Petroleum (Beijing)), N.N. Du (State Grid Ri Zhao Power Supply Company), G.Q. Zhu (Qingdao University) & Y. An (China University of Petroleum (Beijing))	<b>Th STZ1 13 - The Method on Accurate Description of Central Volcanic Conduits</b> - Z. Y. Zhen* (CNOOC Ltd Tianjin Branch) & Z.J. Han (CNOOC Ltd Tianjin Branch)	
15:55	<b>Th STZ0 14 - Stability Analysis of the Biot/squirt and Double-porosity Models for Wave Propagation in Saturated Porous Media</b> - J.W. Liu* (Tsinghua University) & W.A. Yong (Tsinghua University)	<b>Th STZ1 14 - Morphogenetic Classification of Carbonate Buildups in the Northern Donets Basin Using Seismic Data - Case Study</b> - I. Khabanets* (National Taras Shevchenko University of Kyiv)	
16:20	<b>Th STZ0 15 - A Modified Generalized S Transform Method and its Application</b> - W.J. Cao* (China University of Petroleum & Tongji University), H.Z. Wang (Tongji University), H.Z. Li (China University of Petroleum) & Z.C. Li (China University of Petroleum)	<b>Th STZ1 15 - Study on the Feasibility and Stability of Zero-crossing Time Slices of Seismic Attributes in Identification of Thin Sand</b> - X.C. Zhang* (China University of petroleum(Beijing)), J.S. Shen (China University of petroleum-Beijing), P.L. He (China University of petroleum-Beijing), Z.M. Zhu (China University of petroleum-Beijing) & P.C. Wang (China University of petroleum-Beijing)	
16:45	<b>Th STZ0 16 - Wave Attenuation of Marine Gas Hydrate-bearing Sediments - Model and Seismic Quality Factor</b> - R.W. Zhang* (China University of Petroleum (Beijing);GMGS), H.Q. Li (China University of Petroleum (Beijing)), B.J. Zhang (Guangzhou marine geological survey), P.F. Wen (Guangzhou Marine Geological Survey) & Y. Gu (Guangzhou Marine Geological Survey)	<b>Th STZ1 16 - Multi-scale Sequence Stratigraphy - Extending Well-analyses to 3D Seismic</b> - M. Morosini* (OMV Upstream), J.D. Sanchez Mendoza (OMV Upstream), F. Qayyum (dGB Earth Sciences) & V. Romanova (dGB Earth Sciences)	

## Oral presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Stolz 2		Strauss 1	
<b>DISTRIBUTED ACOUSTIC SENSORS AND BOREHOLE GEOPHYSICS</b> <i>S. Soulas (BP) &amp; S.A. Petersen (Statoil ASA)</i>		<b>EXECUTIVE SESSION ON 'UNCONVENTIONALS OUTSIDE NORTH AMERICA'</b> <i>B. Glover (MOL) &amp; W. Knecht (Wintershal)</i>	
08:30	<b>Th STZ2 01 - Estimation of Interval P Wave Orthorhombic Parameters from VSP Walkaway and Walkaround Data Using Differential Evolution</b> - A. Padhi (Halliburton), R. Zhou (Halliburton), M.E. Willis* (Halliburton) & J. Zhu (Chesapeake Energy Corporation)	08:30 -	M. Rodgers (Makk Energy)
08:55	<b>Th STZ2 02 - Calibration of Distributed Acoustic Sensing (DAS) VSP Data</b> - M.E. Willis* (Halliburton), A. Ellmauthaler (Halliburton), X. Wu (Halliburton), D. Barfoot (Halliburton), C. Erdemir (Halliburton), O.A. Barrios-Lopez (Halliburton), D. Quinn (Halliburton) & S. Shaw (Halliburton)	11:30	
09:20	<b>Th STZ2 03 - Depth Calibration of Fibre-optic Distributed Vibration Sensing Measurements</b> - T. Dean (Schlumberger Oilfield UK), T. Cuny* (Schlumberger), A. Constantinou (Schlumberger), P. Dickenson (Schlumberger), C. Smith (Schlumberger) & E. Hamouche (Schlumberger)		
09:45	<b>Th STZ2 04 - Learnings from Distributed Acoustic Sensing Data Processing for Seismic Applications - A Case Study from the North Sea</b> - T. Hance* (BP Exploration Operating Co. Ltd), T. Jiang (BP America Inc), G. Zhan (BP America Inc), E. Kjos (BP Norge AS), R. Geetan (BP America Inc), S. Soulas (BP Exploration Operating Co. Ltd) & I. Thomas (BP Exploration Operating Co. Ltd)		
10:10	<b>Break</b>		
10:30	<b>Th STZ2 05 - Walkaway VSP Using Multimode Optical Fibres in a Hybrid Wireline</b> - G. Yu* (BGP Inc), Y.Z. Chen (BGP Inc.), X.M. Wang (BGP Inc.), Q.H. Zhang (BGP Inc.), Y.P. Li (BGP Inc.), B.Y. Zhao (Jidong Oilfield, CNPC), J.J. Wu (BGP Inc.) & J. Greer (Silixa)		
10:55	<b>Th STZ2 06 - Low-frequency Data Acquisition from High-frequency Source Using Half-cycle Pseudorandom Sweep</b> - Y. Nakamura* (JOGMEC), M. Takashi (JOGMEC), M. Nakatsukasa (JOGMEC), Y. Kunishi (JOGMEC), J. Sakakibara (JFE Civil Eng. & Cons. Corp.) & A. Tago (JFE Civil Eng. & Cons. Corp.)		
11:20	<b>Th STZ2 07 - Feasibility of Azimuthal Anisotropy Determination Using P-wave Reflection Amplitude from a Walkaround VSP</b> - R. Zhou* (Halliburton), K. Green (Halliburton), J. Peron (Halliburton) & W.S. Lyons (Anadarko Petroleum Corporation)		
11:45			
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>MICROSEISMIC - EVENT LOCALIZATION ON MICRO AND MACRO SCALE</b> <i>A. Kritski (Statoil ASA) &amp; B. Giroux (Institut National de la Recherche Scientifique)</i>		<b>USING MULTIPLES AND ADVANCED IMAGING CONDITIONS</b> <i>A.H. Shabelansky (Massachusetts Institute of Technology) &amp; J. Ramos-Martinez (Petroleum Geo-Services)</i>	
13:30	<b>Th STZ2 09 - Insights on the Robustness of Event Locations from Analysis of Acoustic Emissions Observed in a Triaxial Experiment</b> - I. A. Vera Rodriguez* (Schlumberger), S. Stanchits (Schlumberger) & J. Burghardt (Schlumberger)	<b>Th SRS1 09 - Least-squares Reverse Time Migration Using Controlled Order Multiples</b> - Y. Liu* (Institute of Geology and Geophysics (CAS)), X. Liu (Institute of Geology and Geophysics (CAS)), A. Osen (Statoil), Y. Shao (Statoil), H. Hu (University of Houston) & Y. Zheng (University of Houston)	
13:55	<b>Th STZ2 10 - Locating Passive Seismic Sources Location with Cross-correlation Migration</b> - S. Wu* (Institute of Geology and Geophysics, CAS), Y. Wang (Institute of Geology and Geophysics, CAS) & X. Chang (Institute of Geology and Geophysics, CAS)	<b>Th SRS1 10 - Least-squares Reverse Time Migration of Multiples in Visco-acoustic Media</b> - Z.N. Li* (China University of Petroleum), Z.C. Li (China University of Petroleum), P. Wang (China University of Petroleum) & Z.B. Guo (BGP)	
14:20	<b>Th STZ2 11 - Automatic Joint Location and Velocity Inversion for Passive Seismic Data</b> - B. Schwarz* (University of Hamburg), A. Bauer (University of Hamburg) & D. Gajewski (University of Hamburg)	<b>Th SRS1 11 - Multiples Least-squares Imaging with Missing Data Compensation</b> - A.M. Mäkinen* (Schlumberger Gould Research) & J.E. Rickett (Schlumberger Gould Research)	
14:45	<b>Th STZ2 12 - Micro-seismic Imaging Using Source-independent Waveform Inversion</b> - H. Wang* (King Abdullah University of Science & Technology) & T. Alkhalifah (King Abdullah University of Science & Technology)	<b>Th SRS1 12 - Reservoir Impulse Response Estimation Using Joint Migration Inversion</b> - A. Garg* (Delft University of Technology) & D.J. Verschuur (Delft University of Technology)	
15:10	<b>Break</b>	<b>Break</b>	
15:30	<b>Th STZ2 13 - Automated Event Localisation Using the AIC Characteristic Function - Application to Microseismicity Around Sumatran Fault</b> - A. Hendriyana* (GFZ-Potsdam / ITB), K. Bauer (German Research Centre for Geosciences GFZ, Potsdam), U. Muksin (Department of Physics, Syiah Kuala Univ. Indonesia) & R. Sule (Geophysical Engineering, ITB, Indonesia)	<b>Th SRS1 13 - Dip-angle Decomposition in Relation with Subsurface Offset Extended Wave-equation Migration</b> - R. Dafni* (Rice University) & W.W. Symes (Rice University)	
15:55	<b>Th STZ2 14 - Ambient Noise Tomography in the Adana Basin of Southern Turkey</b> - T. Bakirci (Istanbul Technical University (former post-doc)), A. Kasllilar* (Istanbul Technical University) & A. Kocaoglu (Istanbul Technical University)	<b>Th SRS1 14 - Generalizing and Stabilizing Reverse Time Migration Deconvolution Imaging</b> - J. Messud* (CGG) & G. Lambaré (CGG)	
16:20	<b>Th STZ2 15 - Real-time Earthquake Search Engine with Historic Data for Database</b> - H. Zhu* (University of Science & Technology of China), X. Tian (University of Science & Technology of China) & J. Zhang (University of Science & Technology of China)	<b>Th SRS1 15 - Subsalt Imaging by Wave Equation Reflectivity Inversion</b> - E. Klochikhina* (PGS), S. Lu (PGS), A.A. Valenciano (PGS) & N. Chemingui (PGS)	
16:45		<b>Th SRS1 16 - Anisotropic Elastic Wavefield Imaging Using the Energy Norm</b> - D. Rocha* (Colorado School of Mines), N. Tanushev (Z-Terra Inc) & P. Sava (Colorado School of Mines)	



## Oral presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Strauss 2		Strauss 3	
<b>FULL WAVEFORM INVERSION III - METHODS</b> <i>A. Baumstein (ExxonMobil Upstream Research Company) &amp; R.E. Plessix (Shell Global Solutions International BV)</i>		<b>AVO-AVA ANALYSIS - CASE HISTORIES</b> <i>L.G. Klefstad</i>	
08:30	<b>Th SRS2 01 - Overcoming Cycle Skipping in FWI - An Optimal Transport Approach</b> - L. Metivier* (Univ. Grenoble Alpes/CNRS), R. Brossier (Univ. Grenoble Alpes), Q. Mérogot (Univ. Paris Dauphine/CNRS), E. Oudet (Univ. Grenoble Alpes) & J. Virieux (Univ. Grenoble Alpes)	<b>Th SRS3 01 - Bracketed Intercept and Gradient Analysis for the Prediction of VTI AVO Anisotropy - Theory and Application</b> - A. Fogg* (Seismic Image Processing Ltd)	
08:55	<b>Th SRS2 02 - A Selective Extension of the Data for Full Waveform Inversion - An Efficient Solution for Cycle Skipping</b> - Z. Wu* (King Abdullah University of Science & Technology) & T. Alkhalifah (King Abdullah University of Science & Technology)	<b>Th SRS3 02 - Bayesian Estimation of Reservoir Properties by Means of Wide-angle AVA Inversion and a Petrophysical Zoeppritz Equation</b> - M. Aleardi (University of Pisa, Earth Sciences Department), F. Ciabarrì* (Edison), F. Peruzzo (Edison), B. Garcea (Edison) & A. Mazzotti (University of Pisa, Earth Sciences Department)	
09:20	<b>Th SRS2 03 - A Robust Gradient for Long Wavelength FWI Updates</b> - J. Ramos-Martinez* (PGS), S. Crawley (PGS), Z. Zou (PGS), A.A. Valenciano (PGS), L. Qiu (PGS) & N. Chemingui (PGS)	<b>Th SRS3 03 - The Wisting Discovery - Integrating Acoustic Measurements at Different Scales</b> - H. Veire* (OMV Norge AS), J.R. Granli (OMV Norge AS), P. Berger (OMV), O. Lewis (Schlumberger), M. Hohner (Schlumberger), T. Kvist-Lassen (Schlumberger), P. Smith (Schlumberger) & L. Stuberger (PGS, formerly Schlumberger)	
09:45	<b>Th SRS2 04 - A Source of Low Frequencies - Smoothing the Wavefield</b> - T. Alkhalifah* (KAUST) & Y. Choi (KAUST)	<b>Th SRS3 04 - Integrated Processing of Borehole and Surface Seismic Measurements for Enhanced Well Tie and AVO Analysis</b> - O.J. Lewis* (Schlumberger), P. Smith (WesternGeco), M. Hohner (Schlumberger), T. Kvist-Lassen (Schlumberger), L. Dahlhaus (Schlumberger), L. Stuberger (PGS, formally Schlumberger), J.R. Granli (OMV), H. Veire (OMV) & P. Berger (OMV)	
10:10	Break	Break	
10:30	<b>Th SRS2 05 - Full Waveform Inversion with Reconstructed Wavefield</b> - C. Wang* (ION Geophysical), D. Yingst (ION Geophysical), P. Farmer (ION Geophysical) & J. Leveille (ION Geophysical)	<b>Th SRS3 05 - Assessing the Impact of Improved Imaging on AVA Analysis</b> - E. Episkopou* (BG Group plc), C.E. Jones (BG Group plc), J.I. Selvage (BG Group plc) & R. Ghosh (BG Group plc)	
10:55	<b>Th SRS2 06 - Macrovelocity Reconstruction by Reflection FWI</b> - V. Tcheverda* (Institute of Petroleum Geology & Geophysics SB RAS), G. Chavent (INRIA) & K. Gadyshin (Institute of Petroleum Geology and Geophysics)	<b>Th SRS3 06 - Quantitative Prediction of Injected CO2 at Sleipner Using Wave-equation Based AVO</b> - P. Haffinger* (Delft Inversion), F. Jedari Eyvazi (TNO), T.P.H. Steeghs (TNO), P. Doulgeris (Delft Inversion) & A. Gisolf (Delft Inversion)	
11:20	<b>Th SRS2 07 - The Contrast Source Inversion for Reflection Seismic Data</b> - S.D. Wang (China University of Petroleum-Beijing), R.S. Wu (University of California, Santa Cruz) & Y.F. Liu* (China University of Petroleum-Beijing)	<b>Th SRS3 07 - A Global-scale AVO-based Pre-stack QC Workflow - An Ultra-dense Dataset in Tunisia</b> - A. Rivet* (CGG), V. Souvannavong (CGG), C. Lacombe (CGG), T. Coleou (CGG) & D. Marin (CGG)	
11:45	<b>Th SRS2 08 - Multi-scale Localized Inversion Method - FWI for Strong-contrast Models</b> - G.X. Chen (Zhejiang University, Visiting student at UCSC), S.C. Chen (Zhejiang University) & R.S. Wu* (University of California Santa Cruz)	<b>Th SRS3 08 - Step-out Well Position Optimisation Using Inverted Hydrocarbon Indicators</b> - T. Arpacı (Turkish Petroleum) & H. Ozdemir* (Reservoir Geophysics Consulting)	
12:10	Lunch	Lunch	
<b>FULL WAVEFORM INVERSION IV</b> <i>P.R. Williamson (Total)</i>		<b>BROADER BANDWIDTH SEISMIC SIGNAL PROCESSING</b> <i>S.B. Fomel (University of Texas at Austin) &amp; Z. Tang (Shell Global Solutions International BV)</i>	
13:30	<b>Th SRS2 09 - Joint Full Waveform Inversion and Travel Time Tomography</b> - E. Treister (University of British Columbia) & E. Haber* (University of British Columbia)	<b>Th SRS3 09 - Low Frequency Reconstruction Using Extended Modeling</b> - Y. Li* (Massachusetts Institute of Technology) & L. Demanet (Massachusetts Institute of Technology)	
13:55	<b>Th SRS2 10 - Combining Genetic Algorithms, Gibbs Sampler, and Gradient-based Inversion to Estimate Uncertainty in 2D FWI</b> - A. Sajevo* (University of Pisa), M. Aleardi (University of Pisa) & A. Mazzotti (University of Pisa)	<b>Th SRS3 10 - The Apparent Low Frequency Required by Heterodyning</b> - P. Wang* (China University of Petroleum(Beijing)), F. Zhang (China university of petroleum(Beijing)) & X.Y. Li (China university of petroleum(Beijing))	
14:20	<b>Th SRS2 11 - Comparison Between Mode Decomposition Based and Gaussian Newton Method in Elastic Full Waveform Inversion</b> - T. Wang* (Tongji University) & J.B. Cheng (Tongji University)	<b>Th SRS3 11 - Seismic Multichannel Reflectivity Inversion by Block Sparse Bayesian Learning</b> - J.J. Wang* (China University of Petroleum-Beijing), M. Ma (China University of Petroleum-Beijing) & T.Y. Wang (China University of Petroleum-Beijing)	
14:45	<b>Th SRS2 12 - Frequency-domain Acoustic Wave Modelling through TI Media in Western Canada - Implications for Anisotropic FWI</b> - S. M. Hadden* (University of Western Ontario), B.R. Smithyman (University of Western Ontario) & R.G. Pratt (University of Western Ontario)	<b>Th SRS3 12 - Time-frequency Analysis of Seismic Data via the Multitapered Synchrosqueezing Transform</b> - N.H. Liu* (Xi'an Jiaotong University), J.H. Gao (Xi'an Jiaotong University) & Q. Wang (Xi'an Jiaotong University)	
15:10	Break	Break	
15:30	<b>Th SRS2 13 - Simultaneous Multisource Full Waveform Inversion with Total Variation Regularization in Time Domain</b> - Y.F. Liu* (China University of Petroleum-Beijing), S.D. Wang (China University of Petroleum-Beijing), B.F. Wang (China University of Petroleum-Beijing), Y.Q. Yin (China University of Petroleum-Beijing) & T.Y. Guo (China University of Petroleum-Beijing)	<b>Th SRS3 13 - Enhancing Seismic Resolution Using Multiple Reflections</b> - Z.N. Li* (China University of Petroleum), Z.C. Li (China University of Petroleum), P. Wang (China University of Petroleum), M.Q. Zhang (COSL) & Q. Xu (COSL)	
15:55	<b>Th SRS2 14 - Constrained Waveform Inversion - Automatic Salt Flooding with Inclusions</b> - L. guasch* (Sub Salt Solutions Limited), M. Warner (Imperial College London) & F.J. Herrmann (University of British Columbia)	<b>Th SRS3 14 - Vintage Data Reprocessing - Sweetest Smoke May Come from Old Pipes - A 2D Onshore Case</b> - B. Pagliccia* (Total), M. Nowak (Geofizyka Torun), W. Ogonowski (Geofizyka Torun), M. Podolak (Geofizyka Torun) & D. Hall (Total E&P Yemen)	
16:20	<b>Th SRS2 15 - Well Log Interpolation with Geological Structure Constraint for Full Waveform Inversion</b> - K. Xiang* (China University of Petroleum-Beijing), X. Chen (China University of Petroleum-Beijing), Y. Chen (The University of Texas at Austin) & H. Chen (China University of Petroleum-Beijing)	<b>Th SRS3 15 - Efficient Broadband Reprocessing of a Conventional Towed-Streamer Dataset - A Case Study from the North Sea</b> - C. Tyagi (Schlumberger Geosolutions United Kingdom), V. Campbell* (Schlumberger Geosolutions United Kingdom), A. Menari (Schlumberger Geosolutions United Kingdom), X. Lu (Total E&P United Kingdom) & M. Rowlands (Total E&P United Kingdom)	
16:45	<b>Th SRS2 16 - Application of 2D Acoustic Full Waveform Inversion to OBC-data in Shallow Water</b> - M. Kunert* (Karlsruhe Institute of Technology), A. Kurzmann (Karlsruhe Institute of Technology) & T. Bohlen (Karlsruhe Institute of Technology)	<b>Th SRS3 16 - VSP Wavefield Separation Strategy</b> - Y. Rao* (China University of Petroleum (Beijing)) & Y.H. Wang (Centre for Reservoir Geophysics, Imperial College)	



## e-Poster presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

e-Posters 1		e-Posters 2	
<b>RTM, LEAST SQUARES AND KIRCHHOFF METHODS</b> <i>M. Wang (Statoil China) &amp; S. Buske (TU Bergakademie Freiberg)</i>		<b>SEISMIC RESERVOIR CHARACTERIZATION (B) - NEW ADVANCED METHODS</b> <i>A. Canning (Paradigm) &amp; F. Bordignon (Federal University of Santa Catarina)</i>	
08:30	<b>Th P1 01 - Reverse Time Migration (RTM) Using Analytical Wavefield and Causal Imaging Condition</b> - D. Revelo (Univ. Federal of Bahia), R.C. Pestana* (Univ. Federal of Bahia) & L. Gomez (Univ. Federal of Bahia)	<b>Th P2 01 - Fracture Development Zone Identification Based on the Second Generation Curvelet Transform</b> - J.J. Zheng* (SINOPEC), Y.G. Wang (SINOPEC) & H.J. Liu (SINOPEC)	
08:55	<b>Th P1 02 - Kinematic Redatuming Using Common Emergence Rays</b> - A. Bona* (Curtin University)	<b>Th P2 02 - Applications of the Improved Spectral Inversion in the Thin Reservoir Prediction</b> - Q. Zhang* (China University of Petroleum), J.H. Zhang (China University of Petroleum), X.H. Zhang (China University of Petroleum), Z.Q. Li (China University of Petroleum) & L. Liu (RIEP of Sinopec Shengli Oilfield)	
09:20	<b>Th P1 03 - Least-squares Kirchhoff Depth Migration in the Image Domain</b> - M. Cavalca* (Schlumberger), R.P. Fletcher (Schlumberger) & P. Caprioli (Schlumberger)	<b>Th P2 03 - Petrophysical Property Parameters Prediction of Reservoirs Based on the Kernel-Bayes Discriminant Analysis</b> - X.Y. Liu* (China University of petroleum - Beijing), X.H. Chen (China University of petroleum - Beijing), J.Y. Li (China University of petroleum - Beijing), L. Zhou (China University of petroleum - Beijing) & Y. Liu (China University of petroleum - Beijing)	
09:45	<b>Th P1 04 - Accelerating Least Squares Migration with Weighted Conjugate Gradient Iteration</b> - J. Hou* (Rice University) & W. Symes (Rice University)	<b>Th P2 04 - Broadband Seismic Cascade Inversion in Multiple Domains</b> - Z.Y. Zong* (China University of Petroleum), X.Y. Yin (China University of Petroleum) & K. Li (China University of Petroleum)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>Th P1 05 - Least-squares Reverse Time Migration in Pseudo-time Domain</b> - Q.Y. Li (China University of Petroleum (East China)), Z.C. Li (China University of Petroleum (East China)), J.P. Huang (China University of Petroleum (East China)) & M.M. Sun* (China University of Petroleum (East China))	<b>Th P2 05 - Resistivity Reconstitution Multi-attributes Inversion and the Application in Carbonate Reservoir Prediction</b> - X.W. Zhang* (CNOOC Research Institute), S.C. Cao (CNOOC Research Institute), T.E. Fan (CNOOC Research Institute), L.C. Sun (CNOOC Research Institute), W.P. Zhao (CNOOC Research Institute) & Z.J. Wang (CNOOC Research Institute)	
10:55	<b>Th P1 06 - Testing Kirchhoff-based Prestack-depth Migration Methods for Imaging the Asse Salt Structure in Northern Germany</b> - O. Hellwig* (TU Bergakademie Freiberg), S. Buske (TU Bergakademie Freiberg) & H. Ding (Bundesamt für Strahlenschutz)	<b>Th P2 06 - Lithology Prediction from the Results of Full Elastic Wave-equation based Inversion Scheme</b> - R. Feng* (Delft University of Technology), S.M. Luthi (Delft University of Technology), A. Gisolf (Delft University of Technology) & S. Sharma (Delft University of Technology)	
11:20	<b>Th P1 07 - A New Kinematic Time Demigration Approach Based on the CSP Method</b> - Y. Yang* (University of Hamburg), C. Vanelle (University of Hamburg) & D. Gajewski (University of Hamburg)	<b>Th P2 07 - Complex Carbonate Reservoir Characterization Based on Synchrosqueezing Wavelet Transform</b> - D. Zhang* (China University of Petroleum (Beijing)), S.Z. Sun (China University of Petroleum (Beijing)), H. Liu (China University of Petroleum (Beijing)) & P.F. Wang (China University of Petroleum (Beijing))	
11:45		<b>Th P2 08 - Application of the Synchrosqueezed Wave Packet Transform in Seismic Time-frequency Analysis</b> - Q. Wang* (Xi'an Jiaotong University), J.H. Gao (Xi'an Jiaotong University) & N.H. Liu (Xi'an Jiaotong University)	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>PHYSICAL SEISMIC MODELLING</b> <i>P. Thore (Total E&amp;P)</i>		<b>SEISMIC RESERVOIR CHARACTERIZATION (C) - USING NEW ATTRIBUTES</b> <i>M.S. Shahraneeni (Total E&amp;P UK Limited)</i>	
13:30	<b>Th P1 09 - The Effect of Anisotropy and Fluid Properties on Frequency-dependent Amplitude in VTI Media</b> - S.J. Li (China University of Petroleum-Beijing), F.Y. Yu* (China University of Petroleum-Beijing), X.L. Zhang (China University of Petroleum-Beijing) & Y.S. Kang (China University of Petroleum-Beijing)	<b>Th P2 09 - The Well Control Attributes Fusion Hydrocarbon Detection Method and its Application in China Bohai Oilfield</b> - B. Wang* (CNOOC Ltd. Tian Jin Branch), Z.J. Zhang (CNOOC Ltd. Tian Jin Branch) & J. Guo (CNOOC Ltd. Tian Jin Branch)	
13:55	<b>Th P1 10 - The Design and Manufacture of a Near Surface Physical Model</b> - F. Gao* (China University of Petroleum(Beijing)), J.X. Wei (China University of Petroleum(Beijing)), J.L. Xiong (Dagang Oil Field, PetroChina, Tianjin), Y. Yue (Dagang Oil Field, PetroChina, Tianjin), B.R. Di (China University of Petroleum(Beijing)), P.B. Ding (China University of Petroleum(Beijing)) & G.Y. Tang (China University of Petroleum(Beijing))	<b>Th P2 10 - Lithological Facies Definition in Foreland of East Carpathians by Seismic Elastic Attributes and Petrophysical Data</b> - A.M. Akhverdiev* (OMV Petrom S.A.), M. Gheorghiu (OMV Petrom S.A.), H. Grothkopp (OMV Petrom S.A.) & A. Stoicescu (OMV Petrom S.A.)	
14:20	<b>Th P1 11 - Seismic Physical Modeling and Numerical Modeling for Multi-stages Braided River Sediment</b> - P. Hu* (China University of Petroleum), J.X. Wei (China University of Petroleum-Beijing), D.X. Wang (Petrochina Changqing Oilfield Company), K.L. Wu (PetroChina Jidong Oilfield Company) & Z.J. Kong (Research institute of BGP INC., CNPC)	<b>Th P2 11 - The Stratum Q Extraction Research and Application Based on Teager-Kaiser Energy</b> - J.J. Zheng* (SINOPEC), Y.G. Wang (SINOPEC), H.J. Liu (SINOPEC) & Q.F. Kong (SINOPEC)	
14:45	<b>Th P1 12 - Forward Simulation Analysis of Mushroom-shaped Volcanic Rock Model</b> - D.Q. Li* (China University of Petroleum), J.X. Wei (China University of Petroleum), B.R. Di (China University of Petroleum), P.B. Ding (China University of Petroleum) & F. Gong (China University of Petroleum)	<b>Th P2 12 - Application of Seismic Sensitive Azimuth Hydrocarbon Prediction at L Buried Hill in B Basin, Chad</b> - Z.G. Chen* (BGP/CNPC)	
15:10	<b>Break</b>		

## e-Poster presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

e-Posters 3		e-Posters 4	
<b>NEAR SURFACE - SURFACE WAVES, EM, CHARACTERIZATION</b> <i>H.M. Rumpel (DEA Deutsche Erdoel AG)</i>		<b>SEISMIC DEBLENDING</b> <i>M. Maraschini (Dolphin Geophysical Limited) &amp; M.T. Widmaier (Petroleum Geo-Services)</i>	
08:30	<b>Th P3 01 - The Dispersion Curves of Love Waves in Kelvin-Voigt Viscoelastic Media</b> - D.S. Wu (China University of Petroleum), C.Y. Sun (China University of Petroleum) & M.Y. Lin* (China University of Petroleum)	<b>Th P4 01 - A Coherent Simultaneous Shooting Scheme and its Source Separation</b> - Z. Tang* (Shell Global Solutions International BV) & X. Campman (Shell Global Solutions International BV)	
08:55	<b>Th P3 02 - Computation of Sensitivities of Rayleigh Phase Velocity and Attenuation Coefficient with the Adjoint Method</b> - R. Verachtert* (KU Leuven) & G. Degrande (KU Leuven)	<b>Th P4 02 - Seismic Blending and Deblending in 3D</b> - C. Reinicke Urruticoechea* (Delft University of Technology), G.J.A. Groenestijn (PGS) & G. Blacquièrre (TU Delft)	
09:20	<b>Th P3 03 - Seismic Detection and Delineation of a Low Q Structure</b> - D. Shi* (University of Toronto), L.F. Sun (China University Petroleum (Beijing)) & B. Milkereit (University of Toronto)	<b>Th P4 03 - Deblending by Using Ghost</b> - S. Wu* (Delft University of Technology), G.J.A. van Groenestijn (PGS) & G. Blacquièrre (TU Delft)	
09:45	<b>Th P3 04 - An Approach Towards Stratigraphic Correlation Using Wavelets</b> - V. Srivardhan (Indian School of Mines) & D. Mondal* (Coal India Limited)	<b>Th P4 04 - Deblending Seismic Data by Directionality Penalties</b> - F. Andersson* (Lund University), J. Wittsten (Ritsumeikan University), A.C. Ramirez (Statoil) & T. Wiik (Statoil)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>Th P3 05 - Frequency Effects in Hand-held Electromagnetic Short Coil Spacing Data</b> - P.J. Saksa* (Geosto Oy)	<b>Th P4 05 - Acquisition Geometry-aware Focal Deblending</b> - A. Kontakis* (Delft University of Technology), S. Wu (Delft University of Technology) & D.J. Verschuur (Delft University of Technology)	
10:55	<b>Th P3 06 - Applicability of Phased Array Antenna to Ground Penetrating Radar for Subsurface Imaging Below Surface Obstacles</b> - K.K. Kikuchi* (Kyoto University), H.M. Mikada (Kyoto University) & J.T. Takekawa (Kyoto University)	<b>Th P4 06 - Crosstalk-free Simultaneous Acquisition by Arbitrary Sweeps with Amplitude Modulation</b> - M. Takanashi* (JOGMEC), Y. Nakamura (JOGMEC), M. Nakatsukasa (JOGMEC) & J. Sakakibara (JFE Civil Eng. & Cons. Corp.)	
11:20	<b>Th P3 07 - Predictive Geological Mapping of the Baie Verte Peninsula, NL, CA, Using SOM Neural Nets</b> - A.E. Carter-McAustan (Memorial University of Newfoundland) & C.G. Farquharson* (Memorial University of Newfoundland)	<b>Th P4 07 - Least-squares Migration via a Gradient Projection Method - Application to Seismic Data Deblending</b> - J. Cheng (University of Alberta), N. Kazemi* (University of Alberta) & M. Sacchi (University of Alberta)	
11:45	<b>Th P3 08 - 2D Probabilistic Prediction of Sparsely Measured Geotechnical Parameters Constrained by Geophysical Tomography under Con</b> - A. Asadi* (Helmholtz Centre for Environmental Research - UFZ), P. Dietrich (Helmholtz Centre for Environmental Research - UFZ) & H. Paasche (Helmholtz Centre for Environmental Research - UFZ)	<b>Th P4 08 - Polarity Encoding Full Waveform Inversion with Prior Model Based on Blend Data</b> - Y.D. Guo (China University of Petroleum(East China)), J.P. Huang (China University of Petroleum(East China)), Z.C. Li (China University of Petroleum(East China)), Y.M. Qu* (China University of Petroleum(East China)) & Y.T. Hang (China University of Petroleum(East China))	
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>SEISMIC ANISOTROPY IN FRACTURED RESERVOIRS (A)</b> <i>X. Wu (British Geological Survey)</i>		<b>SEISMIC MODELLING (B)</b> <i>X.D. Tang (Chinese Academy of Sciences)</i>	
13:30	<b>Th P3 09 - Fracture Characterization with Azimuthal Inversion Technique - A Case Study for Carbonate Reservoir</b> - Y.K. Wang (RIPED), J.Z. Zheng (RIPED), J.Q. Yin (RIPED), B. Liu* (CGG), S.T. Jin (RIPED), X.W. He (CGG), Z. Wang (RIPED) & J. Ting (CGG)	<b>Th P4 09 - Multiscale Semi-analytical SH-wave Modeling of Rough Surface Responses</b> - M. Zhang* (Institute of Geology and Geophysics (CAS)), L. Fu (Institute of Geology and Geophysics (CAS)) & X. Li (Institute of Geology and Geophysics (CAS))	
13:55	<b>Th P3 10 - A New Approach to Estimate Depth-dependent S-wave Anisotropy Using Anisotropy Semblance Method</b> - T. Kimura* (JAMSTEC), H. Mikada (Kyoto University), E. Araki (JAMSTEC), S. Kodaira (JAMSTEC) & S. Miura (JAMSTEC)	<b>Th P4 10 - 3D Anisotropic Full Waveform Modeling with an Enhanced OASES Workflow for Complex Source-receiver Geometries</b> - A. Roeser* (Freie Universität Berlin) & S.A. Shapiro (Freie Universität Berlin)	
14:20	<b>Th P3 11 - Influence Factors Analysis of Anisotropic Fracture Prediction Using Ellipse Fitting</b> - T.Y. Wang* (China University of Petroleum-Beijing), S.X. Wang (China University of Petroleum-Beijing), S.Y. Yuan (China University of Petroleum-Beijing), P.D. Shi (University of Leeds) & B.P. Yan (China University of Petroleum-Beijing)	<b>Th P4 11 - Modified Pseudo-spectral Method for Wave Propagation Modelling in Arbitrary Anisotropic Media</b> - Z. Peng* (Tongji University) & J.B. Cheng (Tongji University)	
14:45	<b>Th P3 12 - Dispersion of Low-frequency Waves in Fractured and Periodically Layered Media</b> - V. Roganov* (Glushkov Institute of Cybernetics), A. Stovas (NTNU, Norway) & Y. Roganov (consultant, Ukraine)	<b>Th P4 12 - Highly Accurate 3D Traveltime Calculation and Raytracing Based on Multi-stencils Fast Marching Method</b> - P.C. Ding (China University of Petroleum (East China)), Z.C. Li (China University of Petroleum (East China)), K. Zhang (China University of Petroleum (East China)), Q. Liu (China University of Petroleum (East China)), J.M. Chen (China University of Petroleum (East China)) & Y.Y. Li* (China University of Petroleum(East China))	
15:10	<b>Break</b>	<b>Break</b>	

## e-Poster presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

e-Posters 5		e-Posters 6	
<b>SEDIMENTOLOGY AND STRUCTURAL REGIONAL GEOLOGY</b> <i>C.L. Gill (Shell UK Ltd)</i>		<b>AVO INVERSION AND ROCK PHYSICS</b> <i>H. Ozdemir (Reservoir Geophysics Consulting) &amp; J.S. Gunning (CSIRO)</i>	
08:30	<b>Th P5 01 - Geological Structure and Petroleum Potential of the Chukchi Sea Shelf - East Siberian Sea Basin</b> - Y.A. Karpov* (Lomonosov Moscow State University), Y. Karpov (Lomonosov Moscow State University), A. Stoupakova (Lomonosov Moscow State University) & A. Suslova (Lomonosov Moscow State University)	<b>Th P6 01 - Prestack Depth-domain Inversion after Reverse Time Migration</b> - X. Du* (Schlumberger), R. Fletcher (Schlumberger) & M. Cavalca (Schlumberger)	
08:55	<b>Th P5 02 - Geological Structure, Seismic Stratigraphy and Petroleum Systems of East Siberian Sea Basin</b> - Y.A. Karpov* (Lomonosov Moscow State University), M.A. Agasheva (Lomonosov Moscow State University), A.V. Stoupakova (Lomonosov Moscow State University) & A.A. Suslova (Lomonosov Moscow State University)	<b>Th P6 02 - Resolution Enhancement of Robust Bayesian Pre-stack Inversion in the Frequency Domain</b> - K. Li* (China University of Petroleum), X.Y. Yin (China University of Petroleum) & Z.Y. Zong (China University of Petroleum)	
09:20	<b>Th P5 03 - The Enisey-Khatanga Strike-slip Zone - Structural Setting and Petroleum Habitat</b> - K. Sobornov* (Nord-West Ltd) & A. Afanasenkov (VNIGNI)	<b>Th P6 03 - Facies Driven Extended Elastic Inversion - Application to the Niobrara</b> - Y. Kiche* (Go GeoEngineering), L. OUHIB (Go GeoEngineering), D. Balogh (FracGeo) & A. Ouenes (FracGeo)	
09:45	<b>Th P5 04 - Oil and Gas perspectives of Taimyr Region</b> - T.R. Sharafutdinov* (Geostra SPC), V.A. Baldin (LLC SPC Geostra) & N.Z. Munasyrov (JSC Bashneftegeofizika)	<b>Th P6 04 - Features of Markov Random Field about Simultaneous Inversion of Pre-stack Seismic Data in Transversely Isotropic Media</b> - Q. Guo (Hohai University), H.B. Zhang* (Hohai University), W. Saeed (Hohai University) & Z.P. Shang (Hohai University)	
10:10	<b>Break</b>	<b>Break</b>	
10:30	<b>Th P5 05 - Modelling of Tectonic Evolution of Local Geological Units in the Ukrainian Carpathians</b> - T. Andriets* (Taras Shevchenko National University of Kyiv), O. Ivanik (Taras Shevchenko National University of Kyiv) & G. Ivankevich (Taras Shevchenko National University of Kyiv)	<b>Th P6 05 - Experimental Research about the Influence of Rock Microscopic Structure on Sandstone Velocity</b> - C. Li* (China University of petroleum - Beijing), J.X. Wei (China University of petroleum - Beijing), B.R. Di (China University of petroleum - Beijing), X.Y. Liu (China University of petroleum - Beijing), Q. Ge (China University of petroleum - Beijing) & J.Y. Xie (China University of petroleum - Beijing)	
10:55	<b>Th P5 06 - Ural Influences on Tectonics, Depositional Settings, Oil and Gas Bearing on the East-European Continent</b> - Y.I. Nikitin* (TNNC Ltd.)	<b>Th P6 06 - Modelling Acoustic Measurements in Horizontal and Deviated Wells and Anisotropic Slowness Estimation for VTI Formations</b> - H. Liu* (China University of Petroleum), G. Tao (The Petroleum Institute), K. Zhang (China University of Petroleum), B. Wang (China University of Petroleum) & W.Z. Yue (China University of Petroleum)	
11:20	<b>Th P5 07 - Insights into the Tectonic Evolution and Prospectivity of Madagascar Offshore Basins</b> - R. Dirix* (TGS), F. Winter (TGS), S. Musa (TGS), R. Cooke (TGS), B. Sayers (TGS), J. Halliday (TGS) & E. Tibocho (TGS)	<b>Th P6 07 - A Method to Improve the Sensitivity of Neutron Porosity Measurement Based on D-T Source</b> - J. Liu (China University of Petroleum), F. Zhang (China University of Petroleum), J. Hou (North Carolina State University), Q. Zhang* (China University of Petroleum) & L. Tian (China University of Petroleum)	
11:45	<b>Th P5 08 - The Connection between Ophiolite Occurrence and Yapen-Sorong Fault Zone (YSFZ), Papua, Indonesia</b> - F. Ikhwanudin* (Institut Teknologi Bandung) & C. I. Abdullah (Institut Teknologi Bandung)		
12:10	<b>Lunch</b>	<b>Lunch</b>	
<b>TODAY'S PLAY - TOMORROW'S PORTFOLIO</b>		<b>VELOCITY ATTRIBUTE ESTIMATION</b> <i>V. Singh (ExxonMobil) &amp; R.A. Clarke (BP America Inc.)</i>	
13:30	<b>Th P5 09 - The Use of Multiscale 3D Models for Evaluation of the Shale Gas Resources in the Baltic Basin - Preliminary Results</b> - B. Papiernik* (AGH - University of Science and Technology), G. Machowski (AGH - University of Science and Technology) & G. Ząbek (AGH - University of Science and Technology)	<b>Th P6 09 - Automatic Estimation of the 3D CRS Attributes by a Metaheuristic-based Optimization</b> - Y Xie* (Institute of Geophysics, University of Hamburg)	
13:55	<b>Th P5 10 - Well Correlation and GDE-based Play Mapping - A Case Study</b> - C.J. Cubitt (HOT Engineering GmbH), S. Tiainen* (HOT Engineering GmbH) & P. Quast (HOT Engineering GmbH)	<b>Th P6 10 - Preserved Traveltime Smoothing on Azimuthally Dependent Orthorhombic Media</b> - S. Xu* (Norwegian University of Science & Technology) & A. Stovas (Norwegian University of Science & Technology)	
14:20	<b>Th P5 11 - Play Economics - The Case of Postulated Prospects</b> - C.B. Stabell* (Decision Resources & Designs)	<b>Th P6 11 - Constrained Joint Local Tomographic Inversion with Adaptive Grid</b> - J. Liu* (Statoil), D. Wang (Statoil), S. Xu (Statoil) & H. Zhou (Statoil)	
14:45		<b>Th P6 12 - Constraining Acoustic Impedance Inversion by Seismic-processing Velocities</b> - Y. Wang* (University of Saskatchewan) & I.B. Morozov (University of Saskatchewan)	
15:10	<b>Break</b>	<b>Break</b>	

<b>e-Posters 7</b>	
<b>GEOMECHANICS, PETROPHYSICS AND FLOW SIMULATION IN STRUCTURALLY COMPLEX RESERVOIRS</b> <i>B. Bohloli (Norwegian Geotechnical Institute) &amp; C. Signer (Schlumberger)</i>	
08:30	<b>Th P7 01 - Developing a Naturally Fractured Reservoir for Underground Gas Storage</b> - B. Toelle* (University of Wyoming) & M. Stellas (Spectra Energy)
08:55	<b>Th P7 02 - Study of Seismic Properties of Statistical Model of Fault Zone</b> - D. Kolyukhin* (Trofimuk Inst. of Petroleum Geology & Geophysics), V. Lisitsa (Trofimuk Inst. of Petroleum Geology & Geophysics), M. Protasov (Trofimuk Inst. of Petroleum Geology & Geophysics), D. Qu (Uni Research CIPR), V. Tcheverda (Trofimuk Inst. of Petroleum Geology & Geophysics), J. Tveranger (Uni Research CIPR) & D. Vishnevsky (Trofimuk Inst. of Petroleum Geology & Geophysics)
09:20	<b>Th P7 03 - Sensitivity of Reservoir Performance to Fault Zone Architecture</b> - D. Qu* (Uni Research CIPR) & J. Tveranger (Uni Research CIPR)
09:45	<b>Th P7 04 - Seismic Driven 3D Geomechanical Model of Lower Paleozoic Shale Formation (Eastern Europe) – Case Study</b> - M. Slota-Valim* (Oil & Gas Institute NRI), K. Sowizdzał (Oil & Gas Institute NRI) & H.B. Jedrzejowska-Tyczkowska (Oil & Gas Institute)
10:10	<b>Break</b>
10:30	<b>Th P7 05 - Noise Removal and Fracture Analysis in Borehole Images Using Mathematical Morphology and Compressive Sensing</b> - Z.M. Zhu* (China University of Petroleum-Beijing), J.S. Shen (China University of Petroleum-Beijing) & H. Yu (China University of Petroleum-Beijing)
10:55	<b>Th P7 06 - Pressure Transient of Multiple Fractured Horizontal Well in Shale Gas Reservoir Considering Non-planar Fractures</b> - R.H. Zhang* (Southwest Petroleum University), L.H. Zhang (Southwest Petroleum University), R.H. Wang (China National Oil and Gas Exploration and Deve) & Y.L. Zhao (Southwest Petroleum University)
11:20	<b>Th P7 07 - A Close Relationship between Lithofacies, Mineralogy and Pore Characteristics, Horn-River Shale, Canada</b> - J.H. Jin* (KIGAM), J.Y. Lee (KIGAM), Y.M. Oh (KIGAM), J. Kim (KIGAM) & J. Moon (KIGAM)
11:45	
12:10	<b>Lunch</b>
<b>CHARACTERIZING AND SIMULATING FRACTURED RESERVOIRS</b> <i>H. Karimaie (Aker Solutions (Aker Geo)) &amp; A.M. Kamp (Total)</i>	
13:30	<b>Th P7 09 - Numerical Modeling of Naturally Fractured Carbonate Reservoir Based on Outcrops of Crato Formation, NE Brazil</b> - R.F.V.C. Santos* (Federal University of Pernambuco), I.F. Gomes (Federal University of Pernambuco), T.S. Miranda (Federal University of Pernambuco), J.A. Barbosa (Federal University of Pernambuco), V.H. Neumann (Federal University of Pernambuco), L.J.N. Guimarães (Federal University of Pernambuco), E. McKinnon (JSG-UTexas) & R. Marrett (JSG-UTexas)
13:55	<b>Th P7 10 - Multifractal Properties of Fracture Network in Sefrou Carbonate Reservoir (Morocco)</b> - M. Rouai* (Meknes University)
14:20	<b>Th P7 11 - Assessing the Validity and Limitations of Dual-porosity Models Using Geological Well Testing for Fractured Formations</b> - D. Egya* (Heriot Watt University), S. Geiger (Heriot Watt University), P. Corbett (Heriot Watt University), K. Bisdorn (Delft University of Technology), G. Bertotti (Delft University of Technology) & H. Bezerra (Federal University of Rio Grande do Norte)
14:45	<b>Th P7 12 - The Impact of Rock Wettability in Fractured Reservoirs Behavior</b> - M.G. Correia* (State University of Campinas), C. Maschio (State University of Campinas), J. Hohendorff (State University of Campinas) & D.J. Schiozer (State University of Campinas)

## Student Programme Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Student e-Posters 1		Student e-Posters 2	
SEISMIC PROCESSING, IMAGING AND MODELLING <i>T. Bredbeck (Wintershall Noordzee BV)</i>		SEISMIC INTERPRETATION AND ATTRIBUTE ANALYSIS <i>P.O. Lys (Total Exploration &amp; Production Norge AS)</i>	
08:30	<b>Th SP1 01 - Anisotropic Source Mechanism Construction and Waveform Modelling</b> - N. Boitz* (Freie Universitaet Berlin), A. Reshetnikov (Freie Universitaet Berlin) & S.A. Shapiro (Freie Universitaet Berlin)	Th SP2 01 - <b>Attribute Analysis of Fractured Reservoir - A Case Study from the Carpathian Basement</b> - M. Drwila* (AGH University of Science and Technology)	
08:55	<b>Th SP1 02 - Seismic Imaging of Salt-influenced Compressional Folds</b> - D.C. Castillo Valencia* (University of Stavanger), C. Botter (University of Stavanger), S. Hardy (University of Barcelona) & N. Cardozo (University of Stavanger)	<b>Th SP2 02 - Frequency-dependent Velocity Analysis and Offset-dependent Low-frequency Anomalies from Hydrocarbon-filled Reservoir</b> - S.S. Ahmad* (University of Stavanger), R.J. Brown (University of Stavanger) & A. Escalona (University of Stavanger)	
09:20	 <b>Th SP1 03 - Using Effective Medium Theory to Better Constrain Full Waveform Inversion</b> - M. Afanasiev* (ETH Zurich), C. Boehm (ETH Zurich), D. May (ETH Zurich) & A. Fichtner (ETH Zurich)	<b>Th SP2 03 - Analysis of the Geothermal Anomaly from the Romanian Part of the Pannonian Basin</b> - A.I. Micu* (University of Bucharest)	
09:45	<b>Th SP1 04 - Testing and Comparing Stacks of Different Seismic Attributes for Micro-Seismic Event Detection</b> - F. Motz* (Freie Universitaet Berlin), J. Kummerow (Freie Universitaet Berlin) & S.A. Shapiro (Freie Universitaet Berlin)	<b>Th SP2 04 - Characterization of Lower Cretaceous Clastic Wedges in the Southwestern Barents Sea Using Seismic Attributes</b> - J. Iqbal* (University of Stavanger) & A. Escalona (University of Stavanger)	
10:10	Break	Break	
10:30	<b>Th SP1 05 - Passive Source Illumination Compensation Based Full Waveform Inversion</b> - P. Zhang* (Jilin University), L.G. Han (Jilin University), Z.Y. Jin (Jilin University) & F.J. Zhang (Jilin University)	<b>Th SP2 05 - Early Cretaceous Basin Margin Development in the SW Barents Sea, Norway</b> - D. Marin* (University of Stavanger) & A. Escalona (University of Stavanger)	
10:55	<b>Th SP1 06 - Seismic Wavelet Estimation through Phase Retrieval</b> - S. Vafaei Shoushtari* (University of Tehran) & A. Gholami (University of Tehran)	<b>Th SP2 06 - Combining Supervised and Unsupervised Method with Expert Knowledge for Seismic Facies Analysis in SeisAnfis Software</b> - S.H. Hadiloo* (ACECR) & H. Hashemi Shadani (University of Tehran)	
11:20	<b>Th SP1 07 - The Frequency-dividing Multiple Matching and Subtraction Technology Based on Shearlet Transform</b> - J. Sun (Jilin University), D.L. Wang (Jilin University), T.X. Wang (Jilin University), Y.Z. Su (Jilin University) & Y.F. Qi* (Jilin University)	<b>Th SP2 07 - Development of Plug-in for Eigen-structure Based Coherence and its Application of 2-D and 3-D Seismic Data</b> - A. Das* (Indian School of Mines)	
11:45	<b>Th SP1 08 - Implementation of Improved Reverse-time Migration via Acoustic Impedance Equalization</b> - G.H. Lee* (Inha University), Y. Park (Inha University), S. Cheong (KIGAM) & S. Pyun (Inha University)	<b>Th SP2 08 - Fracture Characterization Based on Coherence and Bidimensional Empirical Mode Decomposition</b> - J.W. Zhang* (China University of Petroleum) & H.D. Huang (China University of Petroleum)	
12:10	Lunch	Lunch	
WELL PERFORMANCE AND WELL TESTS <i>M. Kotenev (Sasol Petroleum International) &amp; V. Badiu</i>		UNCONVENTIONAL RESOURCES <i>C. Steiner-Luckabauer (HDT Engineering GmbH)</i>	
13:30	<b>Th SP1 09 - Annular Flow Modelling in Advanced Well Completion</b> - M. Moradidowlatabad (Heriot-Watt University), M. Abdollahi* (Islamic Azad University), H. Vafaei (Islamic Azad University) & F. Rashidi (Amirkabir University of Technology)	<b>Th SP2 09 - Investigation of Gas Flow in Shale Gas Reservoirs in the Transition Regime</b> - C. Christou* (Heriot-Watt University) & K. Dadzie (Heriot-Watt University)	
13:55	<b>Th SP1 10 - The Influence of Discontinuities in the Reservoir on Well Productivity</b> - E.V. Andriyanova* (Samara State Technical University)	<b>Th SP2 10 - A Simulation Study for Optimum Production Strategy in Small Size Tight Gas Reservoirs</b> - H. Salman* (Department of Mining & Geology, The Technical Uni) & O. Anwar (University of Engineering & Technology)	
14:20	<b>Th SP1 11 - Optimization of Multilateral Well Productivity in Carbonate Reservoirs</b> - T. Ajayi (The Petroleum Institute) & M. Hossni* (The Petroleum Institute)	<b>Th SP2 11 - Polymer Enhanced Gas Production from Methane Hydrate Reservoir</b> - M. Agrawal* (Indian Institute of Technology), G. Bhargava (Indian Institute of Technology) & J. Sangwai (Indian Institute of Technology)	
14:45	<b>Th SP1 12 - Carbonate Acidizing Optimazation in Iranian Oil Field</b> - H. Asaadian* (Petroleum University of Technology) & B.S. Soulgani (Petroleum University of Technology)		
15:10	Break	Break	

 Best Student Paper Prize