Overview sessions

Tuesday 12 June 2018

TYPE	TUESDAY 12 JUNE	LOCATION	TIME
Oral	4D Analysis and Evaluation I	Auditorium 15	13:30 – 17:10
Oral	AVO/AVA Analysis - Case Histories	Auditorium 11	08:30 – 12:10
Oral	Building and Updating of Static Geomodels I	Room H	13:30 – 17:10
Oral	Carbonate Reservoirs I	Room I	08:30 – 12:10
Oral	CSEM	Room E	13:30 – 17:10
Oral	Diffraction Modelling and Imaging	Room A	08:30 – 10:10
Oral	FWI - Case Histories	Auditorium 12	08:30 – 12:10
Oral	FWI I - Dealing With Reflection	Auditorium 12	13:30 – 17:10
Oral	Geomechanics I	Room C	08:30 – 12:10
Oral	Geothermal Solutions I (Dedicated Session)	Room B	08:30 – 12:10
Oral	High Resolution CT Scanning of Tight Rocks (Dedicated Session)	Room G	13:30 – 17:10
Oral	Integrated Dynamic Modelling (EAGE-SPE)	Room I	13:30 – 17:10
Oral	Marine Seismic Acquisition	Room E	08:30 – 12:10
Oral	Modified Salinity Waterflooding in Chalk Reservoirs (Dedicated Session)	Room F	08:30 – 12:10
Oral	Multi-component Seismic Acquisition, Processing and interpretation	Room A	10:30 – 12:10
Oral	Multi-scale Modelling	Room L	08:30 – 12:10
Oral	Near Surface - Electrical and EM Methods, incl GPR	Room K	13:30 – 17:10
Oral	Petrophysics I	Room H	08:30 – 12:10
Oral	Reservoir Characterization I (EAGE-SPE)	Room G	08:30 – 12:10
Oral	Reservoir Characterization II	Room L	13:30 – 17:10
Oral	Rock Physics I - Brittleness and Cementation	Auditorium 11	15:30 – 17:10
Oral	Rock Physics I - Carbonates	Auditorium 11	13:30 – 15:10
Oral	Seismic Imaging - Case Histories I	Auditorium 10	13:30 – 17:10
Oral	Seismic Imaging - Theory I	Auditorium 10	08:30 – 12:10
Oral	Seismic Interpretation I - Automation through AI, Machine Learning, Deep Learning	Room D	13:30 – 17:10
Oral	Seismic Reservoir Characterization I - Seismic Quantitative Interpretation	Room D	08:30 – 12:10
Oral	Shale Oil Production Resilience - Why and How? (Dedicated Session)	Room C	13:30 – 17:10
Oral	Significant Exploration Discoveries And Future Frontiers (Dedicated Session)	Room B	13:30 – 17:10
Oral	Simultaneous Source - Acquisition and Processing	Room A	13:30 – 17:10
Oral	The Best of Petroleum Geoscience (Dedicated Session)	Room F	13:30 – 17:10
Oral	The Future of the North Sea (Dedicated Session)	Room K	08:30 – 12:10
Oral	Unconventional Resources I (EAGE-SPE)	Room J	08:30 – 12:10
Oral	Unconventional Resources II (EAGE-SPE)	Room J	13:30 – 17:10

TYPE	TUESDAY 12 JUNE	LOCATION	TIME
e-Poster	Poster: Borehole Seismic Acquisition, Processing and Interpretation A	e-Posters 3	08:30 – 10:10
e-Poster	Poster: EOR A	e-Posters 1	08:30 – 12:10
e-Poster	Poster: EOR B	e-Posters 1	13:30 – 17:10
e-Poster	Poster: Exploration Plays and Prospects A	e-Posters 4	13:30 – 17:10
e-Poster	Poster: FWI A	e-Posters 3	13:30 – 17:10
e-Poster	Poster: Geopressure A	e-Posters 5	10:30 – 12:10
e-Poster	Poster: Multiple Attenuation and Manipulation / Imaging A	e-Posters 2	13:30 – 15:10

Overview sessions continued

TYPE	TUESDAY 12 JUNE	LOCATION	TIME
e-Poster	Poster: Near Surface - Electrical and EM Methods, incl GPR A	e-Posters 8	08:30 – 12:10
e-Poster	Poster: Petrophysics A	e-Posters 8	13:30 – 17:10
e-Poster	Poster: Potential Field Methods A	e-Posters 5	08:30 – 10:10
e-Poster	Poster: Rock Physics A - Carbonates and Source Rocks	e-Posters 2	08:30 – 12:10
e-Poster	Poster: Rock Physics B - Theory	e-Posters 2	15:30 – 17:10
e-Poster	Poster: Seismic Attenuation A	e-Posters 7	13:30 – 17:10
e-Poster	Poster: Seismic Imaging - Least Squares and Migration	e-Posters 9	13:30 – 17:10
e-Poster	Poster: Seismic interpretation A - Automation through AI, Machine Learning, Deep Learning A	e-Posters 6	08:30 – 12:10
e-Poster	Poster: Seismic Modelling A	e-Posters 9	08:30 – 12:10
e-Poster	Poster: Seismic Noise Attenuation A	e-Posters 7	08:30 – 12:10
e-Poster	Poster: Seismic Reservoir Characterization A - New Workflows for Seismic Characterization	e-Posters 6	13:30 – 17:10
e-Poster	Poster: Seismic Signal Processing, Stacking and move-out Corrections A	e-Posters 3	10:30 – 12:10
e-Poster	Poster: Source Rocks and Petroleum Systems A	e-Posters 4	08:30 – 12:10
e-Poster	Poster: SPE A	e-Posters 5	13:30 – 17:10

TYPE	TUESDAY 12 JUNE	LOCATION	TIME
e-Poster	Student Poster: Exploration, Outcrops & Analogs and Sedimentology	e-Posters Students 2	13:30 – 17:10
e-Poster	Student Poster: Geophysics Other, Energy, CO2	e-Posters Students 1	08:30 – 12:10
e-Poster	Student Poster: Petrophysics, Geomechanics And Rock Physics	e-Posters Students 2	08:30 – 12:10
e-Poster	Student Poster: Tectonics, Sedimentation and Exploration	e-Posters Students 1	13:30 – 17:10

Wednesday 13 June 2018

TYPE	WEDNESDAY 13 JUNE	LOCATION	TIME
Oral	4D Case Studies	Room A	08:30 – 12:10
Oral	Alternative Broadband Technology	Auditorium 10	08:30 – 10:10
Oral	Broadband Acquisition and Processing I	Auditorium 10	10:30 – 12:10
Oral	Chemical EOR I	Room F	08:30 – 12:10
Oral	CO2 Capture, Storage and Utilization	Room H	08:30 – 12:10
Oral	Decision Risk Analysis and Managing Uncertainty (SPE)	Room J	08:30 – 12:10
Oral	Diagenesis in Clastic Reservoirs	Room G	15:30 – 17:10
Oral	EOR/IOR Strategies and Recovery Optimisation I (SPE)	Room J	13:30 – 17:10
Oral	Exploration Play Prospects I	Room D	08:30 – 12:10
Oral	Exploration Play Prospects II	Auditorium 15	13:30 – 17:10
Oral	Fluid Characterization Activiation	Room L	13:30 – 17:10
Oral	FWI II - Cycle Skipping And Constrained FWI	Auditorium 12	08:30 – 12:10
Oral	Geochemistry and Geochronology	Room G	08:30 – 10:10
Oral	Geothermal Solutions II	Room P	13:30 – 17:10
Oral	Hydro-Thermal-Mechanical Modelling In Tight Formations (Dedicated Session)	Room K	13:30 – 17:10
Oral	Integrated Asset Development (SPE)	Room I	08:30 – 12:10
Oral	Microseismic Driven Fracturing And Interferometric Wavefields	Room D	13:30 – 17:10
Oral	Microseismic Waveform Detection And Inversion	Room B	08:30 – 12:10
Oral	Multiple Attenuation and Manipulation / Imaging I	Room C	08:30 – 12:10

Overview sessions continued

TYPE	WEDNESDAY 13 JUNE	LOCATION	TIME
Oral	Naturally Fractured Reservoirs	Room G	10:30 – 12:10
Oral	Near Surface - High Resolution Seismic and Surface Waves	Room K	08:30 – 10:10
Oral	Near Surface - Mining Geophysics	Auditorium 10	15:30 – 17:10
Oral	Near Surface - Shallow Marine Geophysics	Room K	10:30 – 12:10
Oral	Petroleum Systems in Sub-Saharan Africa (Dedicated Session)	Room H	13:30 – 17:10
Oral	Recent Insides of Petroleum Exploration of the North Sea	Auditorium 12	15:30 – 17:10
Oral	Reservoir Quality Modelling - Applied Studies and Case Histories (Dedicated Session)	Room G	13:30 – 15:10
Oral	Rock Physics II - Models	Auditorium 11	10:30 – 12:10
Oral	Rock Physics II - Pressure and Uplift	Auditorium 11	08:30 – 10:10
Oral	Rock Physics III - Pore Fluids and Anisotropy	Auditorium 11	15:30 – 17:10
Oral	Rock Physics III - Shales and Source Rocks	Auditorium 11	13:30 – 15:10
Oral	Seismic Attenuation - Theory And Practice I	Room F	13:30 – 17:10
Oral	Seismic Imaging - Case Histories II	Auditorium 10	13:30 – 15:10
Oral	Seismic Interpretation II - Interpretation and Processing	Room A	15:30 – 17:10
Oral	Seismic Interpretation II - Well Logs and Wavelets	Room A	13:30 – 15:10
Oral	Seismic Modelling I	Room E	08:30 – 12:10
Oral	Seismic Reservoir Characterization II - Seismic Quantitative Inerpretation	Room C	13:30 – 17:10
Oral	Seismic Signal Processing, Stacking and Move-Out Corrections	Room E	13:30 – 17:10
Oral	Super Basins, Global Energy Resources (Dedicated Session EAGE-AAPG)	Auditorium 12	13:30 – 15:10
Oral	The Resolution Of Anisotropy I	Room B	13:30 – 17:10
Oral	Unconventional Reservoirs	Room L	08:30 – 12:10
Oral	Unconventional Resources III (SPE)	Room I	13:30 – 17:10

TYPE	WEDNESDAY 13 JUNE	LOCATION	TIME
e-Poster	Poster: 4D Analysis and Evaluation A	e-Posters 7	13:30 – 17:10
e-Poster	Poster: Broadband Acquisition and Processing A	e-Posters 4	13:30 – 17:10
e-Poster	Poster: Building and Updating of Static Geomodels	e-Posters 4	08:30 – 10:10
e-Poster	Poster: Data information management and High-performance computing	e-Posters 3	08:30 – 10:10
e-Poster	Poster: Diagenesis in Clastic Reservoirs	e-Posters 4	10:30 – 12:10
e-Poster	Poster: Electromagnetic Methods A	e-Posters 2	08:30 – 12:10
e-Poster	Poster: Fractures and Caves	e-Posters 8	10:30 – 12:10
e-Poster	Poster: FWI B	e-Posters 3	13:30 – 17:10
e-Poster	Poster: Gas Storage - Risk and Uncertainty	e-Posters 8	15:30 – 17:10
e-Poster	Poster: Micro-seismicity and Passive A	e-Posters 2	15:30 – 17:10
e-Poster	Poster: Multi-component Seismic Acquisition, Processing and interpretation A	e-Posters 2	13:30 – 15:10
e-Poster	Poster: Near Surface - Geotechnical Surveys and Applications	e-Posters 8	13:30 – 15:10
e-Poster	Poster: Reservoir Characterization A	e-Posters 7	08:30 – 12:10
e-Poster	Poster: Reservoir Management and Field Development A	e-Posters 1	13:30 – 17:10
e-Poster	Poster: Sedimentology - Case Studies	e-Posters 5	13:30 – 17:10
e-Poster	Poster: Seismic Imaging - Case Histories A	e-Posters 9	08:30 – 12:10
e-Poster	Poster: Seismic interpolation and Regularization A	e-Posters 6	15:30 – 17:10
e-Poster	Poster: Seismic Interpretation B - Seismic Atrributes	e-Posters 6	08:30 – 12:10
e-Poster	Poster: Seismic Interpretation C - Methods and Workflows	e-Posters 6	13:30 – 15:10
e-Poster	Poster: Seismic Modelling B	e-Posters 9	13:30 – 17:10

Overview sessions continued

TYPE	WEDNESDAY 13 JUNE	LOCATION	TIME
e-Poster	Poster: The Resolution Of Anisotropy A	e-Posters 5	08:30 – 10:10
e-Poster	Poster: Velocity Estimation - Theory A	e-Posters 5	10:30 – 12:10
e-Poster	Poster: Well Construction and Workovers	e-Posters 8	08:30 – 10:10
e-Poster	Poster: Well Performance	e-Posters 3	10:30 – 12:10

TYPE	WEDNESDAY 13 JUNE	LOCATION	TIME
e-Poster	Student Poster: EOR and IOR	e-Posters Students 2	08:30 – 12:10
e-Poster	Student Poster: Geochemistry and Geochronology	e-Posters Students 1	13:30 – 17:10
e-Poster	Student Poster: Potential Fields, Seismology	e-Posters Students 1	08:30 – 12:10
e-Poster	Student Poster: Seismic Acquisition - Hardware, Geometries and Technicques, Seismic Processing & Modelling	e-Posters Students 2	13:30 – 17:10

Thursday 14 June 2018

TYPE	THURSDAY 14 JUNE	LOCATION	TIME
Oral	AVO Technologies	Room A	08:30 – 10:10
Oral	Borehole Seismic Acquisition, Processing and Interpretation	Room H	13:30 – 17:10
Oral	Carbonate Reservoirs II	Room C	13:30 – 15:10
Oral	Chemical EOR II	Room D	13:30 – 17:10
Oral	Computational Geoscience and Data/information Management	Auditorium 10	13:30 – 15:10
Oral	Electromagnetic Methods - CSEM and MT 2	Room B	08:30 – 10:10
Oral	EOR Gas Injection	Room L	08:30 – 12:10
Oral	EOR/IOR Strategies and Recovery Optimisation II (SPE)	Room J	08:30 – 12:10
Oral	EOR/IOR Strategies and Recovery Optimisation III (SPE)	Room I	13:30 – 17:10
Oral	Estimating Permeability I	Room J	13:30 – 15:10
Oral	Fracture Characterization in Chalk (Dedicated Session)	Room G	13:30 – 17:10
Oral	FWI III - Multiparameter, Anisotropy...	Auditorium 12	08:30 – 12:10
Oral	General Noise Attenuation	Auditorium 15	13:30 – 15:10
Oral	Geopressure	Room A	10:30 – 12:10
Oral	Integration	Room C	15:30 – 17:10
Oral	Land Seismic Acquisition	Room B	10:30 – 12:10
Oral	Land Seismic Noise Attenuation	Room C	08:30 – 12:10
Oral	Naturally Fractured and Tight Reservoirs	Room G	08:30 – 12:10
Oral	Non-Conventional Geophysical Methods	Room K	15:30 – 17:10
Oral	Passive Margins - Tectonics and Sedimentation	Room D	10:30 – 12:10
Oral	Permanent Reservoir Monitoring	Room F	13:30 – 17:10
Oral	Potential Field Methods I	Room F	08:30 – 12:10
Oral	Reservoir Characterization, Surveillance and Management (SPE)	Room L	13:30 – 17:10
Oral	Reservoir Management and Field Development I	Auditorium 11	08:30 – 12:10
Oral	Rift Systems I	Room K	13:30 – 15:10
Oral	Rock Physics IV - Elastic and Electric Properties and Geothermal	Room B	13:30 – 15:10
Oral	Seal Analysis - From Pore to Basin Scale (Dedicated Session)	Room K	08:30 – 12:10
Oral	Sedimentary Case Studies (Dedicated Session)	Room A	13:30 – 17:10
Oral	Sedimentology and Structural Regional Geology	Room D	08:30 – 10:10
Oral	Seismic Attenuation - Theory And Practice II	Room B	15:30 – 17:10

Overview sessions continued

TYPE	THURSDAY 14 JUNE	LOCATION	TIME
Oral	Seismic Imaging - Theory II	Auditorium 10	08:30 – 12:10
Oral	Seismic Interpolation and Regularization I	Auditorium 15	15:30 – 17:10
Oral	Seismic Interpretation III - Resolution and Spectra	Auditorium 11	13:30 – 17:10
Oral	Seismic Modelling II	Room E	08:30 – 12:10
Oral	Seismic Modelling III	Room E	13:30 – 17:10
Oral	Seismic Reservoir Characterization III	Auditorium 10	15:30 – 17:10
Oral	Source Rocks and Petroleum Systems	Room H	08:30 – 12:10
Oral	Stimulation - Hydraulic Fracturing	Room J	15:30 – 17:10
Oral	Velocity model building - Tomography	Auditorium 12	13:30 – 17:10
Oral	Well Performance And Optimization (SPE)	Room I	08:30 – 12:10

TYPE	THURSDAY 14 JUNE	LOCATION	TIME
e-Poster	Poster: Activation and Flow Assurance, Fluid Characterization	e-Posters 3	08:30 – 12:10
e-Poster	Poster: AVO-AVA Analysis -Theory A	e-Posters 1	13:30 – 17:10
e-Poster	Poster: Carbonate Reservoirs A	e-Posters 6	08:30 – 12:10
e-Poster	Poster: Diffraction Modelling and Imaging A	e-Posters 9	08:30 – 10:10
e-Poster	Poster: EOR C	e-Posters 2	13:30 – 17:10
e-Poster	Poster: Estimating Permeability A	e-Posters 8	08:30 – 12:10
e-Poster	Poster: From Microseismic Data To Source Classification And Inversion	e-Posters 4	08:30 – 12:10
e-Poster	Poster: FWI C	e-Posters 3	13:30 – 17:10
e-Poster	Poster: Geochemistry and Geochronology A	e-Posters 5	13:30 – 15:10
e-Poster	Poster: Geomechanics A	e-Posters 6	13:30 – 17:10
e-Poster	Poster: Integration A	e-Posters 7	08:30 – 12:10
e-Poster	Poster: Interferometry - Marchenko Methods	e-Posters 9	13:30 – 15:10
e-Poster	Poster: Near Surface - High Resolution Seismic and Surface Waves A	e-Posters 8	13:30 – 17:10
e-Poster	Poster: Near Surface - Shallow Marine Geophysics A	e-Posters 8	15:30 – 17:10
e-Poster	Poster: Outcrop Analogue Description and Modelling	e-Posters 4	13:30 – 15:10
e-Poster	Poster: Rift Systems	e-Posters 4	15:30 – 17:10
e-Poster	Poster: Rock Physics C - Saturation and Attenuation	e-Posters 2	08:30 – 12:10
e-Poster	Poster: Seismic Acquisition	e-Posters 7	13:30 – 17:10
e-Poster	Poster: Seismic Imaging - Case Histories B	e-Posters 9	10:30 – 12:10
e-Poster	Poster: Seismic Imaging - Marchenko Methods	e-Posters 9	15:30 – 17:10
e-Poster	Poster: Seismic Reservoir Characterization B - Seismic Characterization with Attributes	e-Posters 5	15:30 – 17:10
e-Poster	Poster: Simultaneous Source Acquisition and Processing A	e-Posters 1	10:30 – 12:10
e-Poster	Poster: SPE B	e-Posters 5	08:30 – 12:10
e-Poster	Poster: Time-lapse Acquisition and Processing	e-Posters 1	08:30 – 10:10

TYPE	THURSDAY 14 JUNE	LOCATION	TIME
e-Poster	Student Poster: Near Surface Other	e-Posters Students 2	08:30 – 12:10
e-Poster	Student Poster: Reservoir Characterization and Reservoir Other	e-Posters Students 2	13:30 – 17:10
e-Poster	Student Poster: Rock Physics, Seismic Reservoir	e-Posters Students 1	08:30 – 12:10
e-Poster	Student Poster: Unconventional Reservoirs	e-Posters Students 1	13:30 – 17:10

Oral presentations Tuesday 12 June

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

AUDITORIUM 10

Seismic Imaging - Theory I
Z. Zhao; B. Duquet

08:30	**Tu A10 01 - Incorporating Stationary-Phase Implementation into QPSTM and Application in Daqing Oilfield -** C. Wang[1]*, S. Chen[1] [1]Daqing Oilfield Company Ltd.
08:55	**Tu A10 02 - Visco-Acoustic Reverse-Time Migration based on the Stereo-Modeling Operator -** J. Li[1]*, Z. Wang[1], D.H. Yang[2] [1]China University of Mining and Technology, [2]Tsinghua University
09:20	**Tu A10 03 - Angle Gathers from a Kirchhoff Pre-Stack Depth Migration using a Space-Lag Extended Imaging Condition -** G. O'Brien[1]*, S. Delaney[1], M. Igoe[1] [1]Tullow Oil Ltd
09:45	**Tu A10 04 - Image Domain Least-Squares Migration with Hessian Estimated by Non-Stationary Matching Filters -** S. Guo[1]*, H. Wang[1] [1]Tongji University
10:10	Coffee break
10:30	**Tu A10 05 - Double Plane Wave Least Squares Reverse Time Migration with Sparse Fequency and Pane Wave Sampling -** Z. Zhao[1]*, M. Sen[1] [1]The University Of Texas At Austin
10:55	**Tu A10 06 - Wavefield Transmission Imaging with Reverse Time Migration -** C. Willacy[1]*, M. Kryvohuz[2] [1]Shell Global Solutions International BV, [2]Shell International Exploration & Production Inc.
11:20	**Tu A10 07 - A Separated Formulation of the Elastic Wave Equation in P- and S-potential Fields -** Y.E. Li[1]*, Y. Du[1], J. Yang[1], A. Cheng[1], X. Fang[2] [1]National University Of Singapore, [2]Southern University of Science and Technology
11:45	**Tu A10 08 - A Wavefield-separation-based Elastic Least Squares Reverse Time Migration -** B. Gu[1]*, Z. Li[1], J. Han[2] [1]China University of Petroleum, [2]IGGCAS
12:10	Lunch break

Seismic Imaging - Case Histories I
J. Brittan; S. Baldock

13:20	**Tu A10 09 - Channelized System Reservoir Characterization Using Diffraction Imaging - Practical Aspect of a Novel Technique -** J. Soldo[1]*, M. Koremblit[1], D. Lorenzo[1], M. Suarez[1] [1]YPF
13:55	**Tu A10 10 - A Holistic Approach to Model-Building in and around Injectites: A Case-Study Offshore Norway -** V. Valler[1]*, N. Payne[1], T. Hallett[1], M. Kobylarski[4], G. Venkatraman[2], J. Rappke[2], D. Fairclough[3] [1]ION, [2]Engie E&P, [3]Monarch Geophysical Services, [4]former ION
14:20	**Tu A10 11 - Separated Wavefield Imaging for Ocean Bottom Surveys - Feasibility Study of Receiver Decimation on a North Sea Dataset -** D. van der Burg[1], T. Martin[1]*, A. Asnaashari[1], S. Perrier[1], J. Fasterling[2], J. Musser[2] [1]PGS, [2]Maersk Oil
14:45	**Tu A10 12 - Reservoir Imaging Using FWI, Q-Tomography & Bayesian Classification - Black Sea Case Study from Acquisition to Drill Bit -** O. Costriiciuc[2], A. Fogg[14]*, R. Holden[1], J. Moore[3] [1]Monarch Geophysical Services Ltd Associate, [2]Black Sea Oil and Gas SRL, [3]CGG, [4]Arun Geoscience Ltd
15:10	Coffee break

Seismic Imaging - Theory II
Z. Zhao; B. Duquet

15:30	**Tu A10 13 - Reviving a Mature Basin through High-End Imaging Technology -** K. Zhao[1]*, M. Burke[1], X. Li[1], S. Birdus[1], A. Artemov[1], J. Zhou[1], N. Mudge[1] [1]CGG Australia
15:55	**Tu A10 14 - Salt-Related Converted-Wave Attenuation – a Deep-Water Example -** M. Hegazy[1], A. Stewart[1], S. Hydal[1], K. Malave[1], O. Zdraveva[1]*, O. Mataracioglu[1] [1]WesternGeco
16:20	**Tu A10 15 - Ultra-Large-Scale Wide-Azimuth Acquisition and Broadband Imaging in the Campeche Basin -** S.L. Yong[1]*, O. Zdraveva[1], E. Medina[1], S. Savoie[1], K. Lyons[1] [1]WesternGeco
16:45	**Tu A10 16 - Unfolding Marine Multiazimuth Data from the Gulf of Mexico -** H. Roende[1]*, G. Hilburn[1], D. Bate[1] [1]TGS

AUDITORIUM 11

AVO/AVA Analysis - Case Histories
M. Paydayesh; M. Whaley

08:30	**Tu A11 01 - Seismic Re-processing and Q-FWI Model Building to Optimise AVO and Resolution in the Shallow Wisting Discovery -** G. Apeland[1]*, P. Smith[1], O. Lewis[1], S. Way[1], H. Veire[2], N. Stevens[2], L.M. Moskvil[2], J.R. Granli[2] [1]WesternGeco, [2]OMV
08:55	**Tu A11 02 - Wave-Equation-Based AVO Inversion in the Presence of Coal Seams. A Synthetic Study from the Cooper Basin, Australia -** D. Gisolf[1]*, P. Haffinger[1], P. Doulgeris[1], S. Squire[2] [1]Delft Inversion, [2]Santos Limited
09:20	**Tu A11 03 - Quantifying the Effect of Overburden Multiples on Miocene Reservoirs in the Levantine Basin -** P. Doulgeris[1]*, D. Anestoudis[2], P. Haffinger[1], A. Droujinina[1], D. Gisolf[1] [1]Delft Inversion, [2]Energean Oil & Gas
09:45	**Tu A11 04 - AVAZ Quantitative Interpretation Based on Orthorhombic Medium- Part Two: AVAZ Inversion -** K. Xu[1]*, Q. Qi[1], Q. Guo[1], P. Xiao[1], Z. Liang[1] [1]SINOPEC
10:10	Coffee break
10:30	**Tu A11 05 - Regional Porosity Estimation in Danish North Sea Chalk -** H. Wagner[1]*, H. Klemm[1], P. Gelting[1] [1]Maersk Oil
10:55	**Tu A11 06 - Seismic Inversion for Statfjord Well Maturation -** J. Lippard[1]*, E.T. Delaney[1] [1]Statoil
11:20	**Tu A11 07 - Amplitude Variation with Angle Inversion Based on Propagator Matrix Modelling -** C. Luo[1]*, X. Li[2], G. Huang[1], H. Dai[2] [1]China University of Petroleum, [2]British Geological Survey
11:45	**Tu A11 08 - Anisotropic Inversion for VTI Media Based on a Modified Approximation of the PP-Wave Reflection Coefficient: Theory And -** F. Zhang[1]*, T. Zhang[1], X. Li[1] [1]China University of Petroleum
12:10	Lunch break

Rock Physics I - Carbonates
A. van Wijngaarden; L. Bornatici

13:30	**Tu A11 09 - Integrating Petrophysical Evaluations and Rock Physics -** I. Escobar[1]* [1]Maersk Oil America Inc.
13:55	**Tu A11 10 - Porosity and Pore-Type Estimation from Seismic Data Using the Xu-Payne Multi-Porosity Model for Carbonate Reservoir -** H.B. Li[1]*, J.J. Zhang[2], H.J. Pan[1], S.J. Cai[1] [1]PetroChina, [2]China University of Petroleum
14:20	**Tu A11 11 - Digital Rock Physics Based Pore Type Effect Analysis on Acoustic Properties of Carbonate Rocks -** Y. Hu[1]*, J. Zhao[1], L. Sun[1], T. Long[1], F. Li[1] [1]China University Of Petroleum
14:45	**Tu A11 12 - Quantification of Pore Type System in Carbonate Rocks for Rock Physics Modelling -** J. Sharifi[1]*, M. Mirzakhanian[2], M.R. Saberi[3], M. Moradi[4], M. Sharifi[5] [1]Ferdowsi University of Mashhad, [2]University of Tehran, [3]CGG, [4]NIOC, [5]Alam Sanaat
15:10	Coffee break

Rock Physics I - Brittleness and Cementation
A. van Wijngaarden; L. Bornatici

15:30	**Tu A11 13 - Predicting Seal Brittleness of Conventional Hydrocarbon Reservoirs Using LMR - A Case Study from the Norwegian Barents S -** N.H. Mondol[1]* [1]University of Oslo & Norwegian Geotechnical Institute
15:55	**Tu A11 14 - A New Rock Brittleness Index Based On Energy Dissipation in the Process of Uniaxial or Triaxial Compression Test -** Y. Ren[1]*, Z. Yang[1], M. Lu[1], X. Yan[1], X. Li[1] [1]PetroChina
16:20	**Tu A11 15 - Effects of Cementation and Compaction on Elastic Wave Velocities of Sandstone -** X. Han[1]*, D. Xu[1], J. Guo[1], J. Nie[1], H. Li[1], J. Jiang[1] [1]China University of Petroleum
16:45	**Tu A11 16 - Evolution in Physical Properties of Quartz-Bearing Rocks with Evolving Degree of Microfissuration -** L. Pimienta[1]*, M. Violay[1] [1]Ecole Polytechnique Federale de Lausanne

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AUDITORIUM 12

FWI - Case Histories
J. Washbourne; F. Mancini

08:30	**Tu A12 01 - Sparse Frequencies Data Inversion: an Application to a Near Surface Experiment -** T. Alkhalifah[1]*, B. Sun[1], Y. Choi[1], F. Alonaizi[2], M. AlMalki[2] [1]KAUST, [2]KACST
08:55	**Tu A12 02 - Application of Anisotropic Wave Form Inversion on Data from the Niger Delta -** N. Mitchell[1]*, A. Oni[2], A. Stopin[1], C. Pérez Solano[1], R. Plessix[1], J. Emakpor[3] [1]Shell Global Solutions International BV, [2]Shell Petroleum Development Company of Nigeria Ltd, [3]Shell Nigeria Exploration Production Company
09:20	**Tu A12 03 - Inverting Near-Surface Absorption Bodies with Full-Waveform Inversion: A Case Study from the North Viking Graben in the -** B. Xiao[1]*, A. Ratcliffe[1], T. Latter[1], Y. Xie[1], M. Wang[1] [1]CGG
09:45	**Tu A12 04 - Efficient Depth Model Building Using FWI Early in the Workflow: A Case Study from the Norwegian Sea -** O. Lewis[1]*, G. Apeland[2], A. Osen[2], E.B. Raknes[2], R. Milne[2] [1]WesternGeco, [2]WesternGeco, [3]Aker BP
10:10	**Coffee break**
10:30	**Tu A12 05 - Full Waveform Inversion over the Valemon and Kvitebjørn Area in the Norwegian North Sea -** O.K. Øye[1]*, J. Synnevåg[1], T.E. Rabben[1], F.A. Maaø[1], J.P. Fjellanger[1] [1]Statoil ASA
10:55	**Tu A12 06 - Extending Model Depth and Resolution Using Diving Waves and Reflections with Full-Waveform Inversion for a GOM Dataset -** Y. Cobo[1]*, C. Calderón-Macías[1] [1]ION
11:20	**Tu A12 07 - Joint Surface and Borehole Seismic Tomography with Simultaneous Model Parameter Updates at Thunder Horse South -** O. Zdraveva[1]*, G.A. Solano[1], S.O. Zaman[1], E. Saragoussi[1], A.R. Castelan[1], S. Chakraborty[2], Q. Li[2], C. Joy[2], K. Hartman[2], A. Reitz[2] [1]WesternGeco, [2]BP
11:45	**Tu A12 08 - Acoustic Vs. Elastic 3-D Full-Waveform Inversion at the East Pacific Rise 9°50'n' -** M. Marjanovic[1]*, R.E. Plessix[2], A. Stopin[2], S. Singh[1] [1]Institut de Physique du Globe de Paris, [2]Shell
12:10	**Lunch break**

FWI I - Dealing With Reflection
H. Chauris; K. Jiao

13:30	**Tu A12 09 - Elastic Model Low-To-Intermediate Wavenumber Inversion Using Reflection Traveltime and Waveform of Multicomponent Data -** J. Cheng[1]*, W. Xu[1], T. Wang[1] [1]Tongji University
13:55	**Tu A12 10 - A Modified Approach for Tomographic Full Waveform Inversion Using Variable Projection -** G. Barnier[1]*, E. Biondi[1], B. Biondi[1] [1]Stanford University
14:20	**Tu A12 11 - Separation of Migration and Tomography Modes of Full-Waveform Inversion in the Plane-Wave Domain -** G. Yao[1]*, N. da Silva[1], M. Warner[1], T. Kalinicheva[1] [1]Imperial College London
14:45	**Tu A12 12 - Seismic Inversion for a Smooth Velocity Model Using a Wave to Diffusion Transform -** R. Mittet[1]* [1]EMGS
15:10	**Lunch break**
15:30	**Tu A12 13 - Velocity Model Building without Tomography: Results from a 2D FWI Benchmark Involving 3 Contractors -** C. Hidalgo[1]*, B. Bruun[1] [1]INEOS Oil & Gas
15:55	**Tu A12 14 - Robust FWI for Reflection Data -** C. Fortini[1]*, J. Panizzardi[1], N. Bienati[1] [1]Eni
16:20	**Tu A12 15 - High-Resolution Reflection FWI -** M. Warner[1]*, T. Nangoo[1], A. Umpleby[1], N. Shah[1], G. Yao[1] [1]S-Cube
16:45	**Tu A12 16 - How Shall We Use the Reflections Beyond the Diving Wave in Full-Waveform Inversion? -** D. Vigh[1]*, K. Jiao[1], X. Cheng[1], D. Sun[1], L.X. Zhang[1] [1]WesternGeco

AUDITORIUM 15

4D Analysis and Evaluation I
I. Abakumov; R. Benson

13:30	**Tu A15 09 - 4D Broadband Towed-Streamer Assessment, West Africa Deep Water Case Study -** D. Lecerf[1]*, D. Raistrick[1], B. Caselitz[1], M. Wingham[2], J. Bradley[2], B. Moseley[3] [1]PGS, [2]BP, [3]formaly BP
13:55	**Tu A15 10 - Improved Reservoir Imaging Using Specular Dip-angle Migration -** A. JafarGandomi[1]*, J. Richardson[1], H. Hoeber[1], M. Galyga[1], P. Smith[1], A. Irving[1] [1]CGG
14:20	**Tu A15 11 - Surface-Wave Analysis and Inversion of Ambient Noise Recordings -** C. Leone[1]*, D. Boiero[1], S. Mitchell[1] [1]Schlumberger
14:45	**Tu A15 12 - New Time Lapse Seismic Attribute Linking 4D and Geomechanics -** M.A. Calvert[1]*, A.J. Cherrett[1], U. Micksch[1], F.G. Bourgeois[1], A.S. Calvert[1] [1]Maersk Oil
15:10	**Coffee break**
15:30	**Tu A15 13 - Evaluating 4D Overburden Velocity Perturbation for the Shearwater Field via Pre-Stack Time-Shift Inversion. -** I. Dvorak[1]*, C. MacBeth[1], H. Amini[1] [1]Heriot-Watt University
15:55	**Tu A15 14 - High Resolution Time Lapse Time Strains -** C. Schiøtt[1]* [1]Hess
16:20	**Tu A15 15 - Integrated 4D Processing and Inversion Workflow Using Multi-well Wavelet Extraction -** U. Micksch[1]*, H. Klemm[1], A.J. Cherrett[1], P.J. Christian[1] [1]Maersk Oil
16:45	**Tu A15 16 - A Successful 4D Seismic Pilot in Middle-East Carbonate Reservoir Context -** F. Cailly[1]*, C. Hubans[1], A. Laframm[1], T. Al-Romani[1], A.S. AL-Kaabi[2] [1]Total SA, [2]ADNOC Offshore

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ROOM A

Diffraction Modelling and Imaging
A. Stovas; A. Bona

08:30	**Tu A 01 - Diffraction Imaging in 3D via Image Spectral Decomposition of Partial Images -** M. Protasov[1]*, K. Gadylshin[1], V. Tchevreda[1], A. Pravduhin[2], N. Isakov[2] [1]IPGG SB RAS, [2]Ltd. InGeoService
08:55	**Tu A 02 - Diffraction Modeling and Imaging of Sand Injectites -** M.A. Pelissier[1], D. Brethaut[2], R.L. Hartstra[2], M. Jaya[2], T.J. Moser[3]* [1]Integrated Geoscience Solutions, [2]SGS, [3]MGS
09:20	**Tu A 03 - Application of Deep Learning Along Directional Image Gathers for High-Definition Classification of Subsurface Features -** Y. Serfaty[1]*, L. Itan[1], R. Levy[1], Z. Koren[1] [1]Paradigm Geophysical
09:45	**Tu A 04 - An Outlook on Seismic Diffraction Imaging Using Pattern Recognition -** B. Lowney[1]*, I. Lokmer[2], C.J. Bean[3], G.S. O'Brien[4], M. Igoe[4] [1]Irish Centre For Research In Applied Geosciences, [2]University College Dublin School of Earth Science, [3]Dublin Institute of Applied Seismology, [4]Tullow Oil Ltd
10:10	Coffee break

Multi-component Seismic Acquisition, Processing and interpretation
M. Vanic

10:30	**Tu A 05 - Advanced PP and PS Model Building – An Offshore Mexico Example -** J. Mathewson[1]*, M. Acosta Perez[1], E. Serrano Casillas[2], J. DiazdeLeon Chagolla[2], S. Dominguez Garcia[2] [1]WesternGeco, [2]PEMEX
10:55	**Tu A 06 - Automated and Semi-Automated Depth Registration of PP and PS Images -** C. Bagaini[1]*, Y. Elmosharaf[1], A. Dhara[2], J. Mathewson[3], M. Acosta Perez[3] [1]Schlumberger, [2]Colorado School of Mines, [3]WesternGeco
11:20	**Tu A 07 - New Model-Based PS Deghosting Boost Data Quality at Grane PRM -** S. Ostmo[1]*, H. Westerdahl[1], H. Mehdi Zadeh[1], M.S. Guttormsen[1], B. King[1], L.J. Tveito[1] [1]Statoil ASA
11:45	**Tu A 08 - An Elastic Reverse Time Migration Method Based on the S-Wave Quasi-Tensor -** Q. Du[1]*, X. Zhang[1], C. Guo[2], S. Zhang[1], P. Sun[3], J. Zhang[3], X. Li[4] [1]China University of Petroleum (East China), [2]China Research Institute of Radiowave Propagation, [3]BGP, CNPC, [4]China University of Petroleum (Beijing)
12:10	Lunch break

Simultaneous Source - Acquisition and Processing
A. Özbek; M. Widmaier

13:30	**Tu A 09 - PZ Processing of a Signal-Apparition Triple-Source Field Test in the North Sea -** K. Eggenberger[1], J.O.A. Robertsson[1]*, F. Andersson[1], D. van Manen[1], Å.S. Pedersen[2], L. Amundsen[2], K. Haavik[2], M. Thompson[2], O. Solheim[2] [1]Seismic Apparition Gmbh, [2]Statoil ASA
13:55	**Tu A 10 - Time Delays in Simultaneous-Source Acquisition and Its Impact on Low Frequencies -** K.E. Haavik[1]*, Å.S. Pedersen[1], M. Thompson[1] [1]Statoil ASA
14:20	**Tu A 11 - A Seismic Apparition Experiment on Towed Streamer Seismic Data -** S. Grion[1]*, R. Light[1], S. Denny[1] [1]Shearwater GeoServices
14:45	**Tu A 12 - High-Multiplicity Simultaneous Sources and Marine Vibrator Acquisition Effects -** D. Halliday[1], R. Laws[1], A. Özbek[1], J. Hopperstad[1]* [1]Schlumberger
15:10	Coffee break
15:30	**Tu A 13 - Compressed Sensing Based Land Simultaneous Acquisition Using Encoded Sweeps -** R. Kumar[1]*, S. Sharan[1], N. Moldoveanu[2], F. J. Herrmann[3] [1]University of British Columbia, [2]WesternGeco, [3]Georgia Institute of Technology
15:55	**Tu A 14 - Survey Designing for Blended Acquisition with Irregularly Sub-Sampled Geometries -** S. Nakayama[1]*, G. Blacquière[1], T. Ishiyama[2], S. Ishikawa[3] [1]Delft University Of Technology, [2]Khalifa University of Science and Technology, [3]INPEX Corporation
16:20	**Tu A 15 - Blended Noise Suppression Using a Hybrid Median Filter, Normal Moveout and Complex Curvelet Transform Approach -** L.Q. Dong[1]*, M.G. Zhang[1], C.H. Wang[1], Y.M. Zhang[1], Y. Zhu[1] [1]BGP, CNPC
16:45	**Tu A 16 - Triple Source Isolation: Results from a North Sea Field Test -** J.O.A. Robertsson[1,3]*, F. Andersson[1], D.J. van Manen[1], K. Eggenberger[1], R. Walker[1], C.R. Berg[2], J. Gateman[2], I. Gimse[2] [1]Seismic Apparition GmbH, [2]Magseis ASA, [3]ETH Zurich

ROOM B

Geothermal Solutions I (Dedicated Session)
A. Genter; M. Brommer

08:30	**Tu B 01 - Geothermal Energy in the World - A Sleeping Giant -** M. Brommer[1]* [1]International Geothermal Association
08:55	**Tu B 02 - How Mature Oil and Gas Reservoir Can Contribute to Geothermal Energy Production? -** E. Léoutre[1]*, F. Nieuwland[1] [1]Vermilion Energy
09:20	**Tu B 03 - The Current and Potential Future Role of (Integrated) Oil & Gas Companies in the Geothermal Energy Business in the Netherlands -** E. Hoogerduijn-Strating[1], B. Dewever[1]*, M. Naus[1], M. van der Hout[1] [1]Shell
09:45	**Tu B 04 - The Balmatt Demonstration Deep Geothermal Project in Belgium -** S. Bos[1], B. Laenen[1], V. Harcouët-Menou[1]* [1]VITO
10:10	Coffee break

10:30	**Tu B 05 - Geothermal Exploration Practices from the South of Menderes Graben (Turkey): A Case Study of Geothermal Reservoirs in Metamorphic Rocks -** B. Denizalp[1], T. Koelbel[1]*, M. Demirkan[2], M. Seibitz[2], H. Mergner[1] [1]EnBW, [2]BEE
10:55	**Tu B 06 - Applying Knowledge from Hydrocarbon Exploration to Geothermal Exploration – The Netherlands -** A. Vondrak[1]*, C. Leo[1] [1]PanTerra Geoconsultants B.V.
11:20	**Tu B 07 - Integrated Modeling of a Geothermal Fractured Reservoir - Understanding Risk and Performance -** A. Mandiuc[1]*, A. Campana[1], C. Spyrou[1], O. Burachok[1], G. Sosio[1], C. Baujard[1], A. Genter[2] [1]Schlumberger, [2]ES Géothermie
11:45	**Tu B 08 - Exploiting Fractured Granites for Producing Heat or Electricity - Dream or Reality? -** A. Genter[1]*, C. Baujard[1], N. Cuenot[1], R. Hehn[1], V. Maurer[1], J. Mouchot[1], O. Seibel[1], J. Vidal[1] [1]ES Géothermie
12:10	Lunch break

Significant Exploration Discoveries And Future Frontiers (Dedicated Session)
A. Latham; B. Ritchie

13:30	**Tu B 09 - Global Exploration Discoveries and Industry Outlook -** A. Latham[1]* [1]Wood Mackenzie
13:55	**Tu B 10 - Guyana's First Deepwater Discovery -** M. Cousins[1]* [1]ExxonMobil Production Co
14:20	**Tu B 11 - The SNE Discovery Offshore Senegal - Moving a Frontier Basin to Emergent -** Hathon[1]* [1]Cairn Energy PLC
14:45	**Tu B 12 - Delivering Success in the Mauritania Senegal Basin -** T. Henderson[1]* [1]Kosmos Energy
15:10	Coffee break
15:30	**Tu B 13 - Giant Regional Play Fairways from Modern Seismic Data -** K. Rodriguez[1], N. Hodgson[1]* [1]Spectrum Geo
15:55	**Tu B 14 - Rejuvenating a Hydrocarbon Province - The Exploration History of the Eastern Mediterranean Province from Abu Madi to Zohr -** F. Lottaroli[1]*, L. Meciani[1], C. Andrea[1], F. Cornaggia[2] [1]Eni S.p.A., [2]EOC
16:20	**Tu B 15 - The Nanushuk Play - Alaska's New Frontier in a Mature Hydrocarbon Basin -** J. Murillas[1]*, T. Buerkhet[1], J. Bonelli[1], T. Zapata[1] [1]Repsol

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ROOM C

Geomechanics I
J. Verdon; J. Heiland

08:30	**Tu C 01 - Reactivation of Fault Zones due to Thermo-Poroelastic Stress Changes -** T. Meier[1]*, T. Backers[1] [1]Geomecon GmbH
08:55	**Tu C 02 - Reservoir Strain Changes from 4D Time-Strains -** H. Klemm[1]* [1]Maersk Oil
09:20	**Tu C 03 - Stress Prediction and Evaluation of Heterogeneous Reservoir -** B. Du[1]*, W. Yang[1], H. Wang[1], L. Wang[1] [1]PetroChina
09:45	**Tu C 04 - Dynamics of Stick-Slip Sliding Induced by Fluid Injection in Large Sandstone Block -** V. Oye[1]*, S. Stanchits[2], N. Seprodi[3], P. Cerasi[4], A. Stroisz[4], R. Bauer[5] [1]Norsar, [2]former Schlumberger, [3]Schlumberger, [4]Sintef Petroleum, [5]Illinois State Geological Survey
10:10	Coffee break
10:30	**Tu C 05 - Robust Non-Linear Inversion for Reservoir Deformation from Surface Displacement Data -** K. Bisdom[1], M. Cid Alfaro[1], K. Hindriks[1]*, A. Kudarova[1] [1]Shell Global Solutions International B.V.
10:55	**Tu C 06 - How the Presence of Oil and Water Affects Chalk Mechanics at Isotropic Stresses -** J.S. Sachdeva[1]*, A. Nermoen[1,2,3], R.I. Korsnes[1,2], M.V. Madland[1,2] [1]The National IOR Centre of Norway, [2]University of Stavanger, [3]International Research Institute of Stavanger
11:20	**Tu C 07 - Handling Wellbore Instability in Overburden Tertiary Shales -** F. Ditlevsen[1]*, F. Bourgeois[1], M. Calvert[1] [1]Maersk Oil
11:45	**Tu C 08 - Localization and Characterization of Hydraulically Conductive Fractured Zones at Seismic Scale with the Help of Geomecha -** N. Dubinya[1]*, I. Bayuk[1], S. Tikhotskiy[1], O. Rusina[1] [1]Schmidt Institute of Physics of the Earth
12:10	Lunch break

Shale Oil Production Resilience - Why and How? (Dedicated Session)
P. Charlez; L. Roux

13:30	**Tu C 09 - The Shale Revolution -** P. Charlez[1]* [1]Total
13:55	**Tu C 10 - Resilience and Flexibility of the US Shale Production Face to the Volatility of Oil & Gas Prices. Causes, Risks and Opportunities -** C. Amadeï[1]* [1]Total
14:20	**Tu C 11 - Production in the USA. How Long Will it Take to Decline by Half if there is No New Drilling? -** H. Kuzma[1]* [1]BETAZI LLC
14:45	**Tu C 12 - Contribution of Technology to Shale Production Resilience -** C. Signer[1]* [1]Schlumberger
15:10	Coffee break
15:30	**Tu C 13 - Shale-Oil Production Resilience and Associated Shale-Oil Reserves - Towards a Global Approach Based On the Principles of the Petroleum System -** M. Blaizot[1]* [1]Societe Geologique de France
15:55	**Tu C 14 - To be communicated -** A. Andlauer[1]* [1]Alpha Value
16:20	**Tu C 15 - Is Shale Oil the New Oil Swing Producer? -** F. Perrin[1]* [1]Stratégies et Politiques Energétiques
16:45	**Tu C 16 - Panel DIscussion With 7 Panellists -** P. Charlez[1]* [1]Total

ROOM D

Seismic Reservoir Characterization I - Seismic Quantitative Interpretation
D. Clarke; P. Thore

08:30	**Tu D 01 - Improving Quantitative Interpretation beneath Sand Injectites: A North Sea Case Study -** C. Leone[1]*, A. Osen[2], M. Cavalca[1], R. Fletcher[1], M. Ferriday[1] [1]Schlumberger, [2]AkerBP ASA
08:55	**Tu D 02 - Comprehensive Prestack Seismic-to-Well Tie Using Data Combination for Better Seismic Reservoir Characterization -** B. Paternoster[1]* [1]Total
09:20	**Tu D 03 - Quantitative Seismic Interpretation of a Class-1 AVO Turbiditic System Located Offshore Cote d'Ivoire, West Africa -** P. Alvarez[1]*, W. Marin[1], J. Berrizbeitia[1], P. Newton[1], F. Bolivar[1], M. Barrett [2], H. Wood[2] [1]Rock Solid Images, [2]African Petroleum Corporation
09:45	**Tu D 04 - Reservoir Elastic Parameters Estimation from Surface Seismic Data Using JMI-res: A Full-Wavefield Approach -** A. Garg[1]*, S. Sharma[1], D.J. Verschuur[1] [1]Delft University of Technology
10:10	Coffee break
10:30	**Tu D 05 - Bringing Broadband Data, Wavelet Extraction Methods and Inversion Together: With Surprising Low-Frequency Phase Results -** N. Ahmad[1]*, H. Pelletier[1] [1]INEOS Oil & Gas Denmark
10:55	**Tu D 06 - A Depth Variant Seismic Wavelets Extraction Method for Inversion of Post-Stack Depth Domain Seismic Data -** R. Zhang[1]*, Z. Deng[2] [1]University of Louisiana at Lafayette, [2]Bureau of Geophysical Prospecting
11:20	**Tu D 07 - Integration of Results from Two Seismic Inversion Methods – A Case Study -** R. Srivastava[1], S. Maultzsch[1]* [1]Statoil ASA
11:45	**Tu D 08 - Shallow Prospect Reservoir Characterization Using Geomorphology and Rock Physics Guided Bayesian Classification -** Ø. Kjøsnes[1]*, K.M. Edin[1], J. Ahokas[1] [1]Aker BP ASA
12:10	Lunch break

Seismic Interpretation I - Automation through AI, Machine Learning, Deep Learning
A. Alabbad; L. Velasco

13:30	**Tu D 09 - Automated Top Salt Interpretation Using a Deep Convolutional Net -** O. Gramstad[1]*, M. Nickel[1] [1]Schlumberger
13:55	**Tu D 10 - 3D Convolutional Neural Networks for Fault Interpretation -** A. Guitton[1]* [1]DownUnder Geosolutions
14:20	**Tu D 11 - Seismic Fault Detection from Post-Stack Amplitude by Convolutional Neural Networks -** H. Di[1], Z. Wang[1], G. AlRegib[1]* [1]Georgia Institute Of Technology
14:45	**Tu D 12 - Rapid Seismic Domain Transfer: Seismic Velocity Inversion and Modeling Using Deep Generative Neural Networks -** L. Mosser[1], W. Kimman[2], J. Dramsch[3]*, S. Purves[4], A. De la Fuente Briceño[5], G. Ganssle[6] [1]Imperial College London, [2]Open Energi, [3]DTU, [4]Euclidity SL, [5]Skoltech, [6]Expero Inc.
15:10	Coffee break
15:30	**Tu D 13 - Mixing Unsupervised and Knowledge-Based Analysis for Heterogeneous Object Delineation in Seismic Data -** P. Le Bouteiller[1,2]*, J. Charléty[1], F. Delprat-Jannaud[1], D. Granjeon[1], C. Gorini[2] [1]IFP Energies Nouvelles, [2]Sorbonne Université, CNRS-INSU, ISTeP
15:55	**Tu D 14 - Multiscale Pre-Stack Seismic Attribute Enhancement Using Radial Basis Function Network -** L. Li[1]*, X.W. Li[1], Z. Wan[1], Y. Liu[1], L. Zhang[1] [1]BGP, CNPC
16:20	**Tu D 15 - Leveraging Sparse Features Learned from Natural Images for Seismic Understanding -** M.A. Shafiq[1], M. Prabhushankar[1], G. AlRegib[1]* [1]Georgia Institute of Technology
16:45	**Tu D 16 - Fast 3D Seismic Interpretation with Unsupervised Deep Learning: Application to a Potash Network in the North Sea -** A. Veillard[1]*, O. Morère[1], M. Grout[2], J. Gruffeille[2] [1]Krakatoa Pte Ltd, [2]ENGIE EP International

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ROOM E

Marine Seismic Acquisition
R. Johnston

08:30	**Tu E 01 - Expanding the Limits of Operational Feasibility in Marine Seismic Acquisition: Deploying a Source-Over-Spread Solution -** A. Camerer[1]*, C. Grubb[1], F. Mandroux[1] [1]CGG
08:55	**Tu E 02 - A Novel Source-Over-Cable Solution to Address the Barents Sea Imaging Challenges; Part 2, Processing and Imaging Results -** P.E. Dhelie[1]*, V. Danielsen[1], J. Lie[1], A. Wright[2], N. Salaun[2], G. Henin[2], V. Vinje[2] [1]Lundin Norway, [2]CGG
09:20	**Tu E 03 - Triple Source in Seismic Exploration – Experiences Offshore Norway -** J. Langhammer[1]*, H. Bondeson[1], B. Kjølhamar[1], S. Baldock[1], H. Masoomzadeh[1], N. Ratnett[1] [1]TGS
09:45	**Tu E 04 - Signature Estimation and Drop-Out Implications for a Triple Source Marine Seismic Survey -** R. Telling[1]*, R. Light[1], S. Grion[1], S. Denny[2], G. Williams[1] [1]Shearwater GeoServices
10:10	Coffee break
10:30	**Tu E 05 - Shot to Shot Source Signature Variation Correction -** H. Tabti[1]*, J.F. Wisløff[1], T. Høy[1], M. Widmaier[1] [1]Petroleum Geo-Services
10:55	**Tu E 06 - Near-Field Measurements Versus Far-Field Estimations of Air Gun Array Sound Pressure Levels -** P. Fontana[1]*, F. Boukhanfra[1] [1]Polarcus DMCC
11:20	**Tu E 07 - A Next Generation Seismic Source with Low Frequency Signal and Low Environmental Impact -** S. Ronen[1]*, S. Chelminski[1] [1]Retired
11:45	**Tu E 08 - Stable Marine Source Control -** D. Martin[1], D. Lambert[1]*, C. Schneider[1] [1]ION Geophysical
12:10	Lunch break

CSEM
S. Hallinan; A. Price

13:30	**Tu E 09 - Repeatability of CSEM Measurements on Land and 4D Inversion Concepts -** K. Tietze[1], C. Patzer[1]*, O. Ritter[1] [1]German Research Centre for Geosciences
13:55	**Tu E 10 - Unconstrained 3D Anisotropic CSEM Resistivity Inversion: Industry Benchmark -** M.A. Meju[1]*, R.V. Miller[1], S. Shukri[1], N.K.S. Mansor[1], J.H.W. Kho[1], S. Shahar[1] [1]Petronas Carigali Sdn. Bhd.
14:20	**Tu E 11 - Realizing 4D CSEM Value on Deep Water Reservoirs – The Jubarte Case Study -** A. Zerilli[1]*, T. Labruzzo[1], F. Golfre' Andreasi[1], P.D.T.L. Menezes[2], J.L.S. Crepaldi[2], L.D.M. Alvim[2] [1]Schlumberger, [2]Petrobras
14:45	**Tu E 12 - Time Evolution of the Electric Field Using the Rapid Expansion Method with Pseudo-Spectral Evaluation of Spatial Derivat -** P. Stoffa[1], A. Ziolkowski[2]* [1]University Of Texas, [2]University of Edinburgh
15:10	Coffee break
15:30	**Tu E 13 - Time Evolution of the Electric Field Using the Rapid Expansion Method: Inclusion of the Free Surface and Anisotropy -** Y. Liu[1]*, A. Ziolkowski[1], P. Stoffa[2] [1]University Of Edinburgh, [2]University of Texas
15:55	**Tu E 14 - Comparison of TTI and VTI 3D Inversion of CSEM Data -** K.R. Hansen[1]*, M. Panzner[1], D. Shantsev[1], K. Mohn[2] [1]EMGS, [2]MultiClient Geophysical
16:20	**Tu E 15 - A Comparison between Time Domain and Frequency Domain Inversion of Vertical-Vertical CSEM Data -** S.L. Helwig[1]*, D. Myer[2], K. Key[3], A.W. El Kaffas[4], X. Wu[1], K. Eide[4], Ø. Frafjord[4] [1]PetroMarker, [2]BlueGreen Geophysics, [3]Columbia University, [4]PetroMarker
16:45	**Tu E 16 - Robust Estimation of CSEM Measurement Uncertainty at a Destructive Interference -** J.P. Morten[1]*, M.A. Drage[1], R. Mittet[1] [1]EMGS

ROOM F

Modified Salinity Waterflooding in Chalk Reservoirs (Dedicated Session)
H. Nick; A.A. Eftekhari

08:30	**Tu F 01 - Measurements of Zeta Potential in Intact Carbonate Samples with Application to Controlled Salinity Waterflooding -** M.D. Jackson[1]*, S. Li[1], D. Al Mahrouqi[3], A. Al Roudhan[2], J. Vinogradov[4] [1]Imperial College London, [2]Saudi Aramco, [3]Petroleum Development Oman, [4]University of Aberdeen
08:55	**Tu F 02 - Crude Oil/Brine/Rock Factors Influencing Chalk Wettability -** T. Puntervold[1]*, S. Strand[1] [1]University of Stavanger
09:20	**Tu F 03 - Modified Brine Salinity and Nanoparticles Size-Dependent Emulsion Formation in Enhanced Oil Recovery -** M.W. Arshad[1]*, K.L. Feilberg[1], A. Shapiro[1], K. Thomsen[1] [1]Technical University Of Denmark
09:45	**Tu F 04 - Key Aspects Of Smart Water EOR In Chalk -** S. Strand[1]*, T. Puntervold[1] [1]University of Stavanger
10:10	Coffee break
10:30	**Tu F 05 - Improving Oil Recovery from Carbonate Rocks Using Compositionally Modified Water Injection -** M. Delshad[1]*, A. Alizadeh[1], C. Britton[1] [1]Ultimate EOR Services
10:55	**Tu F 06 - An Overview of the Thermodynamic Models for the Chalk Surface Reactions with Brine -** A.A. Eftekhari[1], H. Nick[1], M. Bonto[1]* [1]Technical University of Denmark
11:20	**Tu F 07 - Core Analysis Requirements for Low Salinity Waterflooding -** J. Reed[1]* [1]Lloyd's Register
12:10	Lunch break

The Best of Petroleum Geoscience (Dedicated Session)
D.S. Geiger; P. Christie

13:30	**Tu F 09 - New Map of Hormuz Evaporate Distribution on West Margin of Hormuz Basin. -** S.A. Stewart* [1]Saudi Aramco
13:55	**Tu F 10 - Gravity-Driven Deformation of a Youthful Saline Giant - The Interplay between Gliding and Spreading in the Messinian Bas -** H. Allen[1]*, C.A.L. Jackson[1], A.J. Fraser[1] [1]Imperial College London
14:20	**Tu F 11 - Two-step Wireline Log Analysis of Overpressure in the Bekapai Field, Lower Kutai Basin, Indonesia -** A. Ramdhan[1]*, N. Goulty[2] [1]Institut Teknologi Bandung, [2]Durham University
14:45	**Tu F 12 - Ensuring Containment of Carbon Dioxide: Detailed Investigations of the Structural Integrity of the Captain Sandstone -** J. Williams[1]*, M. Fellgett[1], M. Quinn[1] [1]British Geological Survey
15:10	Coffee break
15:30	**Tu F 13 - The Importance of Detailed Geological Characterization for Future Expanded Use of Gas Storage in the Sustainable Energy -** B. Otto[1]* [1]Wintershall Holding GmbH
15:55	**Tu F 14 - The Impact of Fine-Scale Reservoir Geometries in Submarine Lobe Deposits - Outcrop Analogues from the Tanqua Depocentre -** D.M. Hodgson[1]*, M. Hofstra[1], A.S.M. Pontén[2], J. Peakall[1], K.N. Nair[2], S.S. Flint[3] [1]University of Leeds, [2]Statoil ASA, [3]University of Manchester
16:20	**Tu F 15 - Faults as Barriers or Channels to Production-Related Flow: Insights from Case Studies -** C. Wibberley[1]*, J. Gonzalez-Dunia[1], O. Billon[1] [1]Total EP
16:45	**Tu F 16 - Quantifying Remaining Oil Saturation Using TIme-Lapse Seismic Amplitude Changes at Fluid Contacts -** E. Alvarez[1]*, C. MacBeth[2], J. Brain[3] [1]A/S Norske Shell, [2]Heriot-Watt University, [3]Shell UK Ltd.

Note: technical programme version - 15 April 2018.

Oral presentations Tuesday 12 June

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ROOM G

Reservoir Characterization I (EAGE-SPE)
T. Manai; J. McKinley

08:30	**Tu G 01 - Investigating the Uniformity of In-situ Asphaltene Deposits in Sandstone Rocks (SPE-190785-MS) -** J. Abraham[1]* [1]University of Oklahoma
08:55	**Tu G 02 - MICP-Based Elastic Rock Typing Characterisation of Carbonate Reservoir (SPE-190885-MS) -** F. Colombo[1]* [1]Eni S.p.A.
09:20	**Tu G 03 - The Hidden Threat of Irreversible Water Blockage in Low Porosity Gas Fields - Learnings from Pre-Production Paleo-Imbibition for Post-Production Field Management In Oman (SPE-190780-MS) -** M. Boya Ferrero[1]* [1]Petroleum Development Oman
09:45	**Tu G 04 - A Consistent Method to Build and use a 3D Mechanical Earth Model (SPE-190799-MS) -** B. Cuesta[1]* [1]Wintershall
10:10	Coffee break
10:30	**Tu G 05 - Seismic Attributes, Cuttings Analysis and GDE Mapping, Enabling Reservoir Quality Prediction. An Example from Pakistan -** C. Cubitt[1]*, W. Siedl[2], S. Tiainen[1], A. Azeem[2] [1]HOT Engineering GmbH, [2]OMV Exploration and Production GmbH
10:55	**Tu G 06 - Stochastic Inversion by Trace Matching for Carbonate Reservoir Property Prediction: A Mishrif Reservoir Case Study -** S.R. Grant[1]*, O.J. Olatoke[1], M.J. Hughes[1], N.C. Philip[1] [1]BP
11:20	**Tu G 07 - Reservoir Characterization of a Shale-Gas Play in the Duvernay Formation Using Seismic, Microseismic, and Well Log Data -** G. Rodriguez-Pradilla[1]*, D.W. Eaton[1] [1]University of Calgary
11:45	**Tu G 08 - Combining Multiple Point Geostatistics and Process-based Models for Improved Reservoir Modelling -** J. Mullins[1]*, H. van der Vegt[2], J. Howell[1] [1]University of Aberdeen, [2]TU Delft
12:10	Lunch break

High Resolution CT Scanning of Tight Rocks (Dedicated Session)
T.I. Sølling; K.L. Feilberg

13:30	**Tu G 09 - Automating the Derivation of Petrophysical Parameters from X-Ray Tomography Data on Chalk -** H.O. Sørensen[1]*, S. Bruns[1], K.N. Dalby[1], D. Müter[1], F. Engstrøm[2], S.L.S. Stipp[1] [1]University of Copenhagen, [2]Maersk Oil and Gas A/S
13:55	**Tu G 10 - Conditioning of Generative Adversarial Networks for Pore and Reservoir Scale Models -** L. Mosser[1]*, O. Dubrule[1], M.J. Blunt[1] [1]Imperial College London
14:20	**Tu G 11 - Computed Tomography for Thermal-Hydrological-Mechanical-Chemical (THMC) Flow Processes -** G. Glatz[1]*, A.R. Kovscek[2] [1]KFUPM, [2]Stanford University
14:45	**Tu G 12 - The Application of High Resolution CT Scanning Technology in Tight Natural Gas Hydrate Rock -** Y. Sun[1], H. Dong[1]*, J. Sun[1], L. Cui[1], X. Zeng[1] [1]China University of Petroleum
15:10	Coffee break
15:30	**Tu G 13 - In Situ Pore-Scale Visualization of Immiscible Three-Phase Flow at High Pressure and Temperature -** A. Scanziani[1]*, K. Singh[1], T. Bultreys[1], B. Bijeljic[1], M.J. Blunt[1] [1]Imperial College London
15:55	**Tu G 14 - MicroCT X-Ray Imaging of Hydrodynamic Dispersion under Steady-State Two-Phase Flow -** S. Hasan[1], V. Joekar-Niasar[1]*, H. Steeb[2], N. Karadimitriou[1], J. Godinho[1], D. Uribe[2], N. Vo[3] [1]University of Manchester, [2]Stuttgart University, [3]Diamond Light Source
16:20	**Tu G 15 - Cloud-Enabled Digital Rock Analysis for Enhanced Oil Recovery -** R. Neumann Barros Ferreira[1]*, G.D. Soares Figueiredo[1], A. Ashade Lassance Cunha[2], H. de Oliveira Barbalho[1], G. Duncan Coutinho[2], I.C. Nievinski Lima[1], W.F. Lopez Candela[2], P.W. Bryant[1], M.B. Steiner[1] [1]IBM Research, [2]Pontifícia Universidade Católica
16:45	**Tu G 16 - Cryo-BIB-SEM Imaging of Mixed Wettability in Carbonate Rocks -** A. Gmira[1]*, D.K. Cha[1], S. Al-Enezi[1], A. Yousef[1] [1]Saudi Aramco

ROOM H

Petrophysics I
M. Seyyedi

08:30	**Tu H 01 - Unlocking the Potential of Croatia's Panonian Basin Reservoirs with Nuclear Magnetic Resonance -** M. Kozlowski[1]*, D. Parlov[2], Z. Čogelja[2] [1]Halliburton, [2]INA
08:55	**Tu H 02 - A Novel Efficient Inversion Method for Three-Dimensional NMR -** X. Hu[1]*, Y. Fan[1], X. Yuan[1], P. Zhan[1] [1]China University of Petroleum
09:20	**Tu H 03 - A New Method for NMR Echo Data Inversion -** J.F. Guo[1]*, R.H. Xie[1], G.W. Jin[1], M. Liu[1] [1]China University of Petroleum
09:45	**Tu H 04 - The Effect of Water Saturation and Salinity on Dielectric Constant Using Laboratory Wideband Measurement Method -** Z.M. Kang[1]*, S.Z. Ke[1], C.F. Yin[1], J. Jia[1], W.D. Wang[1], X. Sun[1], S.T. Zheng[1], J.J. Li[1], D.P. Zou[1] [1]China University of Petroleum
10:10	Coffee break
10:30	**Tu H 05 - A Method for Improving the Accuracy of Elemental Weight Fractions Measured by Pulsed Neutron Spectroscopy Logging -** J. Liu[1]*, S. Liu[1], F. Li[1], F. Zhang[2], B. Miao[1] [1]China University of Mining and Technology, [2]China University of Petroleum
10:55	**Tu H 06 - High-Resolution Fracture Evaluation Using an Improved Normalized Differential Energy (NDE) Method -** X. Sun[1]*, C. Ayadiuno[2], C. Planchart[2] [1]Aramco Beijing Research Center, [2]Saudi Aramco
11:20	**Tu H 07 - Development of a Deep Learning Model to Estimate Porosity of a Fractured Granite Basement Reservoir -** H.G. Pham[1]*, K. Sandunil[1] [1]Asian Institute of Technology
11:45	**Tu H 08 - Thermal Petrophysics: New Insight into Core Analysis and Characterization of Highly Heterogeneous Tight Oil Formations -** E. Chekhonin[1]*, E. Popov[1], Y. Popov[1], R. Romushkevich[1], E. Savelev[1], A. Shakirov[1] [1]Skolkovo Institute of Science and Technology
12:10	Lunch break

Building and Updating of Static Geomodels I
M. Al-Khalifa; R. Bachmann

13:30	**Tu H 09 - A New Geostatistical Method for Modelling Sedimentary Facies Architectures -** T. Le Blevec[1]*, O. Dubrule[1], C.J. John[1], G.J. Hampson[1] [1]Imperial College
13:55	**Tu H 10 - Cloud-Based Borehole Image Interpretation Workflow Using Machine Learning -** T. Yamada[1]*, J. Kherroubi[1], A. He[1], Y. Matsumura[2] [1]Schlumberger, [2]Kyoto University
14:20	**Tu H 11 - Fast Validation of Reservoir Models by Means of Seismic Data -** M. Alerini[1]*, M. Ravasi[1], N. Skjei[1], E. Zachariassen[1], O.A. Kvamen[1], B. Massart[1], G. McQueen[1], L. Myreng-Mathisen[1], J. Skjervheim[1], H.I. Kallekleiv[2], E.O. Lie[3] [1]Statoil ASA, [2]Roxar AS, [3]Formely Statoil ASA, now Geocore AS
14:45	**Tu H 12 - Facies Modelling of a Real-Life Fluvial System Using a Modern Object-Based Algorithm -** M.L. Vevle[1]*, I. Aarnes[2], K. Ledsaak[1], R. Hauge[2], A. Skorstad[1] [1]Roxar Software Solutions, Emerson Automation Solutions, [2]Norwegian Computing Center
15:10	Coffee break
15:30	**Tu H 13 - Multiple-Point Statistics Simulation as a Constraint Satisfaction Problem -** M.S. Shahraeeni[1]* [1]Total E&P UK Limited
15:55	**Tu H 14 - Finite Difference Implicit Modeling of Geological Structures -** M. Irakarama[1]*, G. Laurent[1], J. Renaudeau[1,2], G. Caumon[1] [1]GeoRessources – UL/CNRS/CREGU, [2]Schlumberger Petroleum Services
16:20	**Tu H 15 - Modelling Challenges of a Low Permeability Clastic Reservoir – A Case Study from the Ravn Oil Field Offshore Denmark -** R. Bachmann[1]*, Q. Dang[1], R.P.M. Lambert[1], J.C.P. Pipping[1] [1]Wintershall Noordzee BV
16:45	**Tu H 16 - My Geology Is Too Complex for My Grid: Grid-Free Surface-Based Geological Modelling -** C. Jacquemyn[1]*, M.P. Rood[1], Y. Melnikova[1], P. Salinas[1], M.D. Jackson[1], G.J. Hampson[1] [1]Imperial College London

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Oral presentations Tuesday 12 June

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ROOM I

Carbonate Reservoirs I
B. Poedjono

08:30	**Tu I 01 - 2.5D Finite Element Forward Modeling of the Induction Log Responses in Carbonate Reservoirs with Drilling Fluid Invasion -** J. Costa[1], A. Carrasquilla[1]*, A. Carrasco[2], H. Rocha[31] [1]LENEP/UENF, [2]DQEP/UFF, [3]UFRA
08:55	**Tu I 02 - Dynamic Interactions of Water Ions at Carbonate/Brine Interfaces: Electrokinetic Studies I -** M.B. Al-Otaibi[1]*, D.K. Cha[1], A.A. Yousef[1] [1]Saudi Aramco
09:20	**Tu I 03 - Toward a Permeability-Driven Seismic Stochastic Inversion of a Complex Carbonate Reservoir, Shuaiba Formation, UAE -** U. Strecker[1]*, M. Ibrahim[1], M. Zeug[2] [1]Wintershall , [2]SLB-SIS
09:45	**Tu I 04 - Carbonate Reservoir Characterisation of an Isolated Platform Integrating Sequence Stratigraphy and Rock Physics in Centr -** G. Ghon[2]*, E.C. Rankey[3], G.T. Baechle[4], M. Schlaich[1], S.H. Ali[1], S. Mokhtar[1], M.C. Poppelreiter[1] [1]Universiti Teknologi Petronas, [2]University of Leoben, [3]University of Kansas, [4]Repsol
10:10	Coffee break
10:30	**Tu I 05 - Porosity Estimation in Carbonates from Joint FWI and Amplitude Inversion in Frontier Exploration -** Ø. Kjøsnes[1]*, P.E. Øverli[1], S. Vassmyr[1] [1]Aker BP ASA
10:55	**Tu I 06 - How Integration of 4D Stratigraphic Modeling Can Improve Carbonate Reservoir Characterization - An Example from a Cenozo -** C. Pellan[1]*, M. Zen[1], L. Fontanelli[1], M.F. Leon Carrera[1], M. Badali [2], J. Machín Palacios[2] [1]Repsol SA, [2]Repsol E&P
11:20	**Tu I 07 - Permeability Prediction and Modelling Using Different Approaches in Ilam Carbonate Reservoir in an Iranian Oil Field -** V. Mehdipour[1], A. Hosseini[1]* [1]Dana Energy
11:45	**Tu I 08 - Digital Rock Analysis: A Case Study on Characterization of Capillary Transition Zones in Carbonate Reservoirs -** H. Sun[1,2]*, H. Belhaj[2], A. Bera[2], L. Liu[1], G. Tao[2], S. Nizamuddi[2] [1]China University of Petroleum, [2]Khalifa University of Science and Technology
12:10	Lunch break

Integrated Dynamic Modelling (EAGE-SPE)
D. Viberti; T. Clemens

13:30	**Tu I 09 - Solving the Reservoir Simulation Bottle Neck with a Hybrid Approach Based on Modern CPU and GPU Computational Platforms -** O. Bradulina[1]*, V. Shelkov[1], K. Bogachev[1], D. Eydinov[1], H. Tran[1], A. Diaz[1] [1]Rock Flow Dynamics
13:55	**Tu I 10 - Integration of Geomechanics, Time-Lapse Seismic, and Pressure Transient Analysis in Reservoir Simulation of the South Ar -** J. Dreier[1]*, O. Vejbaek[1], A. Anton[2], C. Schiott[1], G. Aage[1] [1]Hess Denmark Aps, [2]Schlumberger
14:20	**Tu I 11 - An Integrated Workflow to Combine Static and Dynamic Uncertainties in Reservoir Simulation Models -** M.G. Correia[1]*, J.H. Filho[1], D.J. Schiozer[1] [1]UNICAMP
14:45	**Tu I 12 - Coupling of Fluid-Flow Simulator and Geomechanical Simulator Using Co-Simulation Services. -** G. Etienne[1], N. Guy[1], C. Preux[1]*, I. Malinouskaya[1] [1]IFP Energies Nouvelles
15:10	Coffee break
15:30	**Tu I 13 - History Matching Using Hybrid Parameterisation and Optimisation Methods (SPE-190776-MS) -** B. Al-Shamma* [1]Imperial College London
15:55	**Tu I 14 - Integrated Dynamic Modelling of The Sea Lion Field (SPE-190805-MS) -** A. Lopez[1]* [1]Premier Oil Plc
16:20	**Tu I 15 - Temperature and Geometry Effects on the Fracture Surfaces Dissolution Patterns in Acid Fracturing (SPE-190819-MS) -** M. Al Jawad[1]* [1]Texas A&M University
16:45	**Tu I 16 - Improved Integrated Asset Simulation (Surface-Reservoir) Using PID Control In Adaptive Time Stepping (SPE-190864-MS) -** B. Redick[1]* [1]Texas A&M University

ROOM J

Unconventional Resources I (EAGE-SPE)
B. Stewart; M. Brignoli

08:30	**Tu J 01 - Pore Characterization and Fluid Distribution Assessment of Gas Shale -** Y. Yuan[1], R. Rezaee[1], H. Tongcheng[2]*, M. Verrall[3], H. Si-Yu[3], Z. Jie[1] [1]Curtin University, [2]China University of Petroleum (East China), [3]CSIRO
08:55	**Tu J 02 - Core and Log Data Integration for Unconventional Rocks Pore Space Description -** M. Ostapchuk[1]* [1]Gazpromneft
09:20	**Tu J 03 - An Empirical Relation between Static and Dynamic Brittleness Indices -** C. Feng[1]*, X. Deng[3], Z. Wang[2], T. Sun[3] [1]China University Of Petroleum, [2]PetroChina, [3]CNOOC
09:45	**Tu J 04 - Analysis on Brittle Characteristics of Tight Oil Rocks in Ultrasonic Experiment -** W. Cheng[1]*, J. Ba[1], W. Tan[1], M. Pang[1], H. Li[2], L. Zhang[1] [1]Hohai University, [2]Xi'an Jiaotong University
10:10	Coffee break
10:30	**Tu J 05 - Design Aspects of Optimized Zipper Frac (SPE-190795-MS) -** A. Algarhy[1], M. Soliman[2]* [1]Texas Tech University, [2]University of Houston
10:55	**Tu J 06 - Pore Shape Factors in Shale: Calculation and Impact Evaluation on Fluid Imbibition (SPE-190781-MS) -** B. Yang[1]* [1]University of Calgary
11:20	**Tu J 07 - Study on the Coupled Effect of Effective Stress and Methane Gas Adsorption on the Porosity and Permeability of Shale Gas Reservoirs (SPE-190875-MS) -** W. Tian[1]* [1]China University of Petroleum
11:45	**Tu J 08 - An Experimental Investigation of Gas Production Rates During Depressurization of Sedimentary Methane Hydrates (SPE-190811-MS) -** S. Almenningen[1]* [1]University of Bergen
12:10	Lunch break

Unconventional Resources II (EAGE-SPE)
T. Schaaf; T. Whittle

13:30	**Tu J 09 - Cluster Spacing Optimization for Horizontal-Well Fracturing In Shale Gas Reservoirs: Modeling and Field Application (SPE-190775-MS) -** R. Lin[1]* [1]Southwest Petroleum University
13:55	**Tu J 10 - Economic Appraisal of Shale Gas Reservoirs (SPE-190824-MS) -** M. Kenomore[1]* [1]University of Portsmouth
14:20	**Tu J 11 - Numerical Modelling of Multiple Fractured Horizontal Wells in Shale Gas Reservoirs (SPE-190851-MS) -** V. Bartoletti[1]* [1]London South Bank University
14:45	**Tu J 12 - Controlling Parameters for Shale Gas Production into a Well-Induced Fracture: A Fracture-Matrix Modelling Approach (SPE-190843-MS) -** D.S. Berawala[1]* [1]University of Stavanger
15:10	Coffee break
15:30	**Tu J 13 - Sweet Spots Prediction Based On the "Three Quality Parameters" in Tight Sandstone Reservoirs -** G. Jin[2]*, C. Li [1], F. Hu[1], C. Li[1], R. Xie[2], S. Wu[1], Z. Mao[1] [1]PetroChina, [2]China University of Petroleum
15:55	**Tu J 14 - Gas Production from Hydrate-Bearing Sediments in Oman Sea: A Numerical Investigation -** H. Eslami[1]*, N. Nikmardan[1], M.J. Ameri[1], R. Hajian[1] [1]Amirkabir University Of Technology
16:20	**Tu J 15 - Development Planning of Tight Fractured Carbonate Oil Field -** R. Khisamov[1], V. Akhmetgareev[1]* [1]Tatneft
16:45	**Tu J 16 - An Integrated Geomechanics-Fracturing and Reservoir Simulation Workflow for Optimized Stimulated Rock Volume in the Vaca -** S. Vidal-Gilbert[1]*, R. Cugnart[1], Y. Sanz-Perl[1], S. Estrada[1], Y. Wu[1], V. De Gennaro[2] [1]Total, [2]Schlumberger

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e-Poster presentations Tuesday 12 June

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E-POSTERS 1

Poster: EOR A

08:30	**Tu P1 01 - The Potential of Temperature-activated CO2 Production In Situ as an Enhanced Oil Recovery Process -** S. Mohammadkhani[1,2]*, S. Marie Nielsen[1], A. Shapiro[1], H. Shahverdi[2], M. Nasr Esfahany[2] [1]Technical University of Denmark, [2]Isfahan University of Technology
08:55	**Tu P1 02 - Contradictory Behavior of Carbon Dioxide Versus Temperature During Recovery of Bypassed Oil: Marangoni Effect -** P. Abolhosseini[1]*, M. Khosravi[2], B. Rostami[1], M. Masoudi[1] [1]University Of Tehran, [2]IOR Research Institute
09:20	**Tu P1 03 - Enhancing Carbon Dioxide and Water Flooding Sweep Efficiency Using High Strength Crosslinked Polymer Gel -** S. Fakher[1]*, A. Imqam[1], B. Bai[1] [1]Missouri University of Science and Technology
09:45	**Tu P1 04 - Developing First Nano-EOR Project in Indonesia: Opportunities and Challenges -** L. Hendraningrat[1]*, M.R. Lasahido[2], A. Ardjuna[2], A. Misund[1], W.Y. Cheng[1] [1]Auroris Energy, [2]SKK Migas
10:10	**Coffee break**
10:30	**Tu P1 05 - Application of Gamma-Alumina Nanoparticles to Enhance Spontaneous Imbibition in Low Permeable, Oil-Wet Carbonate Rocks -** A. Keykhosravi[1], M. Simjoo[1]* [1]Sahand University Of Technology
10:55	**Tu P1 06 - An Empirical Correlation for Estimation of Transition Time Bbtween Deep Bed Filtration of Particles and External Filter -** F. Tale[1]*, A. Kalantariasl[1], M. Malayeri[1], A. Zaheryani[1] [1]Shiraz University
11:20	**Tu P1 07 - Effect of Formed Water-in-Oil Emulsions by Cobalt Oxide Nanoparticles on the Oil Recovery, an Experimental Approach -** S. Palizdan[1], P. Ahmadi[1]*, M. Riazi[1], M.R. Malayeri[1] [1]EOR Research Center
12:10	**Lunch break**

Poster: EOR B

S. Alameri; E. Dos Santos Godinho

13:30	**Tu P1 09 - Evaluation of Imbibition Mechanism in an Iranian Carbonate Fractured Oil Reservoir During Smart Water Injection -** R. Mokhtari[1]* [1]Shiraz University
13:55	**Tu P1 10 - Evaluation of Synthesized Novel Eco-friendly Polymeric Surfactant for Chemical Enhanced Oil Recovery -** S. Kumar[1]*, T. Kumar[2] [1]DIT University, [2]University of Petroleum & Energy Studies
14:20	**Tu P1 11 - An Experimental Investigation of Using C19TAB and NaOH as a Novel Chemical EOR Process in a Micromodel System -** A. Esfandiarian[1]*, A. Azdarpour[1] [1]Islamic Azad University
14:45	**Tu P1 12 - Study on Equi-fluidity and Parallel Multi-slug Displacement after Polymer Flooding Using Polymer Surfactants -** J. Hu[1]*, H. Jiang[1], J. Li[1] [1]China University of Petroleum
15:10	**Coffee break**
15:30	**Tu P1 13 - Understanding the Impact of Injected Water Composition on Low Salinity Waterflooding Performance -** A.M.S. Elgendy[1]*, F. Verga[1] [1]Politecnico Di Torino
15:55	**Tu P1 14 - Assessment of Oil Production for Low-Salinity Water Based Polymer Injection Method in Carbonate Oil Reservoir -** Y. Lee[1]*, H. Park[1], S. Kim[1], Y. Song[1], J. Kim[1], W. Sung[1] [1]Hanyang University
16:20	**Tu P1 15 - An Experimental Investigation on Foam Injection in a Fractured Porous Media: Effect of Viscous Cross Flow -** Y. Khoshkalam[1]*, M. Khosravi[2], B. Rostami[1] [1]University of Tehran, [2]IOR Research Institute
16:45	**Tu P1 16 - An Experimental Study on the Effect of Constant Magnetic Fields on Asphaltene Deposition in Dynamic Conditions -** A. Rezaei[1]*, Y. Kazemzadeh[2], S. Nikandish[3] [1]Shiraz University, [2]Amirkabir University of Technology, [3]Islamic Azad University of Shiraz

E-POSTERS 2

Poster: Rock Physics A - Carbonates and Source Rocks

P. Rasolofosaon; I.L. Fabricius

08:30	**Tu P2 01 - Application of Medical and Dental CT-Scan for Characterizing Carbonate, Evaporates, Marl and Sandstone -** R. Azin[1], D. Farokhian[1]*, R. Azin[1], A. Ranjbar[2] [1]Persian Gulf University, [2]Amirkabir University of Technology
08:55	**Tu P2 02 - Influence of the Pore System Properties on P-wave Attenuation in Carbonates -** L.C. Oliveira[1], R. Missagia[1]*, I. Lima Neto[1], M.A. Ceia[1] [1]North Fluminense State University University
09:20	**Tu P2 03 - Predicting the Effects of Organic Content and Maturation on the Elastic Properties of Central North Sea Source Rocks -** J.A. Hansen[1]*, N.H. Mondol[2] [1]University of Oslo, [2]University of Oslo and Norwegian Geotechnical Institute
09:45	**Tu P2 04 - Microporosity Aspect Ratio of Carbonate Rocks Under Pressure -** M. Ceia[1]*, R. Andrade[1], R. Missagia[1], I. Lima Neto[1] [1]North Fluminense State University
10:10	**Coffee break**
10:30	**Tu P2 05 - Coupling of Nanoindentation and SEM-EDS Measurements for Effective Medium Modeling of Source Rock Elastic Properties -** H. Tazi[1,2]*, E. Bemer[1], D. Garnier[2], E. Kohler[1], M. Adelinet[1], L. Dormieux[2], T. Euzen[3] [1]IFP Energies Nouvelles, [2]Laboratoire Navier, [3]IFP Technologies Inc.
10:55	**Tu P2 06 - Rock Physics Modelling of Organic-rich Chalk: the Roles of Porosity, Organic Content and Maturation -** O. Shitrit[1]*, Y.H. Hatzor[1], S. Feinstein[1], H.J. Vinegar[1] [1]Ben-Gurion University Of The Negev
11:20	**Tu P2 07 - Rock-Physics Model of Volcanic Rocks, an Example from Junggar Basin of China -** M. Xu[1]*, X. Yin[1], Z. Zong[1] [1]China University of Petroleum
12:10	**Lunch break**

Poster: Multiple Attenuation and Manipulation / Imaging A

J. Yang; E. Wiarda

13:30	**Tu P2 09 - Imaging Using PP Multiples: Practical Applications for Shallow Imaging and 4D Monitoring on the Snorre Field, Norway. -** J. Oukili[1]*, A. Pankov[1] [1]Petroleum Geo-Services
13:55	**Tu P2 10 - Imaging-based Target Response Estimation Including Multiples and Transmission Effects -** M. Davydenko[1]*, D.J. Verschuur[1] [1]Delft University Of Technology
14:20	**Tu P2 11 - One-way Wave-equation Migration of Different Order Surface-related Multiples: An Application to Deep Marine Data -** Y.M. Ye[1]*, Q.X. Guo[1], X.J. Zhuang[1], L.S. Li[1], B. Wang[1], Z.Q. Wang[1] [1]PetroChina
14:45	**Tu P2 12 - Extending ISS Internal Multiple Attenuation Algorithm by Accommodating the Source Property -** J. Yang[1]*, A.B. Weglein[2] [1]SINOPEC, [2]University of Houston
15:10	**Coffee break**

Poster: Rock Physics B - Theory

A. Przybylo; P. Lys

15:30	**Tu P2 13 - AVAZ Quantitative Interpretation Based on Orthorhombic Medium- Part One: Rock Physics Modeling -** K. Xu[1]*, Q. Hu[1], Q. Qi[1], Z. Liang[1] [1]SINOPEC
15:55	**Tu P2 14 - A Simple Method to Estimate Shear-Wave Velocity -** Z.Y. Zhou[1], Y.J. Hao[1]*, Y.Q. Liu[1], H.D. Huang[1] [1]China University of Petroleum
16:20	**Tu P2 15 - Evaluation of the Unloading Effect Due to Uplift and Erosion on P-Velocity of Siliceous Shale In the Barents Sea -** S. Mochiji[1]*, Y. Kobayashi[1], W. Sekiguchi[2], G. Mavko[3] [1]INPEX CORPORATION, [2]INPEX Browse E&P Pty. Ltd., [3]Stanford University
16:45	**Tu P2 16 - Effect of Pore Microstructure and Fluid Type on the P-wave Velocity of Tight Sandstones -** H. Liu[1]*, X. Han[2], X. Wang[1], G. Tang[2], G. Wei[1], L. Zhao[2], M. Li[1], C. Sun[2], S. Wang[2] [1]SINOPEC, [2]China University of Petroleum

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e-Poster presentations Tuesday 12 June

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E-POSTERS 3

Poster: Borehole Seismic Acquisition, Processing and Interpretation A
R. Pevzner; H. Valero

08:30	**Tu P3 01 - The Inversion of Full Waveform Sonic Data for Estimating Stiffness Elements and Azimuth of Transversely Isotropic Medium -** S. Fuse[1], H. Mikada[1]*, J. Takekawa[1] [1]Kyoto University
08:55	**Tu P3 02 - Increasing Drilling Efficiency and Reducing Risk by Actively Steering toward the Target with Seismic while Drilling Tech -** M. Ferla[1]*, F. Miranda[1], A. Malossi[1], D. Baldini[1], T. Bianco[1], M. Medaglia[1], N. Kelsall[2], L. Euranie[2], I. Stoia[2], .D. Molteni[2] [1]Eni, [2]Schlumberger
09:20	**Tu P3 03 - Illumination Compensation with Seismic-While-Drilling Plus Surface Seismic Imaging -** N. Kazemi [1]*, R. Shor[1], K. Innanen[1] [1]University of Calgary
09:45	**Tu P3 04 - Cross-Deviated Well Seismic Technology and Its Application: A Case Study of Bohai Bay -** J. Ming[1]*, B. Wang[1], G. Peng[1], J.K. Zhou[1] [1]CNOOC
10:10	Coffee break

Poster: Seismic Signal Processing, Stacking and Move-Out Corrections A
R. Walters; R. Soubaras

10:30	**Tu P3 05 - Blind Deconvolution with Toeplitz-structured Sparse Total Least Squares Algorithm -** N. Kazemi [1]* [1]University of Calgary
10:55	**Tu P3 06 - Detection of Low-frequency Shadows Associated with Gas Using High-resolution Empirical Wavelet Transform -** M. Shirazi[1]*, A. Roshandel Kahoo[1], Y. Chen[1] [1]Shahrood University Of Technology
11:20	**Tu P3 07 - AVO-preserving Deconvolutive Radon transform -** M. Farshad[1]*, A. Gholami[1], A. Mokhtari Mobarakeh[1] [1]University of Tehran
11:45	**Tu P3 08 - Prestack Processing Strategies for Low S/N Seismic Data: A Case Study in Jidong Oilfield, China -** Y.M. Ye[1]*, L.S. Li[1], X.J. Zhuang[1], Z.Q. Wang[1], Z.L. Yang[1], J.L. Zhang[1] [1]PetroChina
12:10	Lunch break

Poster: FWI A
Y. Rao; W. Medeiros

13:30	**Tu P3 09 - Improving Full-Waveform Inversion Based On Wavefield Reconstruction Via Bregman Iterations -** H. Aghamiry[1,2]*, A. Gholami[1], S. Operto[2] [1]University Of Tehran, [2]University of Côte d'Azur
13:55	**Tu P3 10 - A Global-Local Experience of 2D Acoustic FWI on a Real Data Set -** B.G. Galuzzi[1]*, A. Tognarelli[2], E.M. Stucchi[2] [1]University of Milan, [2]University of Pisa
14:20	**Tu P3 11 - Datum-Based Waveform Inversion with Robust Velocity Estimation -** Q. Guo[1]*, T. Alkhalifah[1] [1]King Abdullah University of Science and Technology
14:45	**Tu P3 12 - Normalized Nonzero-Lag Crosscorrelation Elastic Full Waveform Inversion -** Z. Zhang[1]*, T. Alkhalifah[1], Z. Wu[1] [1]King Abdullah University of Science & Technology
15:10	Coffee break
15:30	**Tu P3 13 - Multi-Scale Energy Weighted Envelope-Phase Inversion Using Direct Envelope Fréchet Derivative in Local Time-Frequency -** Y. Hu[1], R. Wu[2], L. Han[1], P. Zhang[1]* [1]Jilin University, [2]University of California
15:55	**Tu P3 14 - Time-Frequency Domain Multi-Scale Full Waveform Inversion Based On Adaptive Non-Stationary Phase Correction -** Y. Hu[1], L. Han[1], P. Zhang[1]*, Q. Ge[1] [1]Jilin University
16:20	**Tu P3 15 - Earth Mover's Distance Based On Gradient Flow for Full Waveform Inversion -** P. Yong[1]*, J. Huang[1], Z. Li[1], W. Liao[2] [1]China University of Petroleum, [2]University of Calgary
16:45	**Tu P3 16 - Inversion of Vertical Wavefield Variation to Obtain a Velocity Model through Integration -** Y. Choi[1]*, T. Alkhalifah[1] [1]King Abdullah University Of Science And Technology

e-Posters 4

Poster: Source Rocks and Petroleum Systems A
W. Gordon Canning; B. Wygrala

08:30	**Tu P4 01 - Regional 3D Petroleum System Model of Pannonian Basin -** G. Bogicevic[1]*, I. Dulic[1], A. Vranjkovic[1], M. Duncic[1], J. Sovilj[1] [1]Scientific and Technological Center NIS-Naftagas LLC
08:55	**Tu P4 02 - Visualizing Hydrocarbon Expulsion Pathways -** R. van Noort[1]*, P.T. Mørkved[2], V. Yarushina[1], T. Heia[2], J. Kihle[1] [1]Institutt for Energiteknikk, [2]Universitetet i Bergen
09:20	**Tu P4 03 - The Jurassic as a Potential Source for a Thermogenic Contribution to Shallow Gas Accumulations in the German North Sea -** S. Müller[1]*, F. Jähne-Klingberg[1], J. Arfai[1] [1]Federal Institute for Geosciences and Natural Resources
09:45	**Tu P4 04 - Comparison of the Origin and Secondary Processes of Oils from the Polish Outer Carpathians, their Paleozoic-Mesozoic Bas -** D. Wieclaw[1]*, M.J. Kotarba[1], N. Kmiecik[1] [1]AGH University of Science and Technology
10:10	Coffee break
10:30	**Tu P4 05 - Comparison of Organic Facies and Hydrocarbon Generation of Two Cretaceous Lacustrine Sags in Erlian Basin, Northern Ch -** Z. Cheng[1]*, F. Wang[1], Y. Shi[2] [1]China University of Petroleum, [2]PetroChina
10:55	**Tu P4 06 - Petroleum Retention, Migration, and Expulsion in the Triassic Chang 7 Member in the Ordos Basin in China -** Y. Chen[1]*, S. Lin[1], J. Li[1], S. Tao[1], B. Bai[1] [1]PetroChina
11:20	**Tu P4 07 - Maturity Assessment of Shale from Kachchh Basin of India for Hydrocarbon Prospects: an Optical Spectroscopic Approach -** U.K. Bhui[1]*, A. Basu[1], S. Sanyal[1] [1]Pandit Deendayal Petroleum University
11:45	**Tu P4 08 - Source Rock Maturity in Sirte Basin, Libya -** K. Albriki [1]*, F. Wang[1], F. Weiping[1], E. Ul Haq[1] [1]China University of Petroleum
12:10	Lunch break

Poster: Exploration Plays and Prospects A
L. Lipparini

13:30	**Tu P4 09 - Play Scale Seismic Characterisation – Using Basin Models as an Input to Seismic Characterisation in New and Emerging Pla -** A. Mur[1]*, K. Waters[1] [1]Ikon Science
13:55	**Tu P4 10 - Petroleum Exploration Prospect of the Area Longkou 7-6, Bohai Bay Basin, Offshore China -** J. Ren[1]*, D. Guan[1], P. Liu[1], H. Zhang[1], J. Yue[1], K. Su[1] [1]CNOOC
14:20	**Tu P4 11 - Reservoir Characterization in Exploration: Integrated Workflow to Enhance the Understanding of a Norwegian Sea Prospect -** H. Datir[1], A. Oevreeide[1]*, J. Klinger[1] [1]Schlumberger
14:45	**Tu P4 12 - Cognitive Modelling in Oil & Gas Exploration and Reservoir Prediction -** V. Kolesov[1]* [1]Pangea Inc
15:10	Coffee break
15:30	**Tu P4 13 - Regional Play Based Exploration Results of Dinaride Fold and Thrust Belt (Eastern Herzegovina, BIH) -** A. Vranjkovic[1]*, I. Dulic[1], S. Marjanovic[1], G. Bogicevic[1] [1]NIS Gazprom Neft
15:55	**Tu P4 14 - Combined Structural-Stratigraphic Prospects in the Norwegian Barents Sea -** P. Esestime[1]* [1]Spectrum Geo Ltd.
16:20	**Tu P4 15 - Non Structural Traps in the Miocene Sedimentary Succession of the Phu Khanh Basin -** N. Thu[1], C. Trinh Xuan[1]*, V. Phan Tien[1], T. Hoang Anh[1] [1]VietNam Petroleum Institute - PetroVietNam
16:45	**Tu P4 16 - Generation of a Geochemical Model to Prospect Podiform Chromite Deposits in North of Iran -** B. Roshanravan[1]*, H. Agajani[1], M. Yousefi[2], O. Kreuzer[3] [1]Shahrood University of Technology, [2]Malayer University, [3]James Cook University

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E-POSTERS 5

Poster: Potential Field Methods A
G. Cooper; N. Bundalo

08:30	**Tu P5 01 - Interpretation of Shipborne Gravity for Gas Exploration in a Carbonate Environment -** R.V. Miller[1]*, Aziz[1], Ong[1] [1] Petronas Carigali Sdn. Bhd.
08:55	**Tu P5 02 - Fast 3D Inversion of the Magnetic Vector Amplitude Produced by a Basement Relief Using Gauss-Legendre Quadrature -** M. Cabrera Hidalgo-Gato[1]*, V.C. Ferreira Barbosa[1] [1]National Observatory
09:20	**Tu P5 03 - Fuzzy Rules Based System in order to Characterization of Cavities from Gravity -** A. Hajian[1]*, P. Styles[1] [1]Islamic Azad University
09:45	**Tu P5 04 - Employing Tensor of Calculated Gravity Gradients to Determining Gravity Bodies' Strike, Dimensionality and Location -** K. Karimi[1]*, M. Oveisy Moakhar[1], F. Shirzaditabar[1] [1]Razi University
10:10	**Coffee break**

Poster: Geopressure A
J. Khazanehdari; N.H. Mondol

10:30	**Tu P5 05 - Subnormal Pressure Regimes of the Northern Barents Shelf: Causes and Implications for Hydrocarbon Exploration -** T. Birchall[1]*, K. Senger[1], S. Olaussen[1] [1]University Centre in Svalbard
10:55	**Tu P5 06 - Seal Breach Analysis in the Danish Central Graben -** J. Grobys[1]*, S. Schöneich[1], A. Edwards[2] [1]DEA Deutsche Erdoel AG, [2]Ikon Science Ltd
11:20	**Tu P5 07 - Statistical Modelling for Online Pore Pressure Prediction from Well Logs -** J. Paglia[1]*, J. Eidsvik[1], A. Grøver[2], A.E. Lothe[2] [1]NTNU, [2]SINTEF Industry
11:45	**Tu P5 08 - Strain Accumulation Mechanisms in Unconsolidated Sediments during Compression -** A. Sajeva[1]*, S. Capaccioli[1] [1]Università di Pisa
12:10	**Lunch break**

Poster: SPE A

13:30	**Tu P5 09 - Comprehensive Evaluation of the Dynamic Sealing Capacity of Clayey Caprocks in a Large Underground Gas Storage (SPE-190838-MS) -** J. Sun[1]* [1]PetroChina
13:55	**Tu P5 10 - A Simplified Productivity Model for Multi-Fractured Shale Oil Resources (SPE-190881-MS) -** F. Makinde[1]* [1]Robert Gordon University
14:20	**Tu P5 11 - Optimizing Laboratory Ceor Flooding Evaluations to Assess Initial Oil Saturation and Mobility Ratio (SPE-190769-MS) -** H. Födisch[1]* [1]Clausthal University of Technology
14:45	**Tu P5 12 - CO2 Sequestration Using Ensemble Kalman Filter and Considering a Sustainability Approach (SPE-190803-MS) -** C. Etienam[1]* [1]University of Manchester
15:10	**Coffee break**
15:30	**Tu P5 13 - Effect of Small/Medium Scale Reservoir Heterogeneity on the Effectiveness of Water, Gas and Water Alternating Gas (WAG) Injection (SPE-190855-MS) -** G. Hoare[1]* [1]London South Bank University
15:55	**Tu P5 14 - Systematic Use of Tidal Effects for Reservoir Appraisal and Well Integrity Monitoring in a Near-coast Onshore Environment (SPE-191354-MS) -** J. Hailstone[1]* [1]SASOL Petroleum Intl.

E-POSTERS 6

Poster: Seismic interpretation A - Automation through AI, Machine Learning, Deep Learning A
A.A. Aqrawi

08:30	**Tu P6 01 - Automatic Salt Detection with Machine Learning -** W. Wang[1]*, F. Yang[1], J. Ma[1] [1]Harbin Institute of Technology
08:55	**Tu P6 02 - Deep Learning Applied to Seismic Data Interpolation -** A. Mikhailiuk[1]*, A. Faul[1] [1]University of Cambridge
09:20	**Tu P6 03 - Unsupervised Machine Learning: K-means Clustering Velocity Semblance Auto-Picking -** S. Wei[1]*, O. Yonglin[2], Z. Qingcai[2], H. Jiaqiang[2], S. Yaying[2] [1]China University of Petroleum, [2]RIPED, CNPC
09:45	**Tu P6 04 - Application of Machine Learning Algorithms Using Seismic Data and Well Logs to Predict Reservoir Properties -** I. Priezzhev[1]*, E. Stanislav[2] [1]Gubkin University, [2]MIMGO
10:10	**Coffee break**

10:30	**Tu P6 05 - Lithofacies Discrimination Based On Adaptive Kernel Function of Support Vector Machines -** J. Cheng[1]*, X. Chen[1], X. Liu[1], S. Chen[1], C. Li[1] [1]China University of Petroleum
10:55	**Tu P6 06 - Deep Learning Based 3D Velocity Field Nonlinear Multiple Regression -** S. Wei[1]*, L. Jingye[1], O. Yonglin[2], Z. Qingcai[2], H. jiaQiang[2], S. Yaying[2]* [1]China University of Petroleum, [2]RIPED, CNPC
11:20	**Tu P6 07 - Deep Learning Based Horizon Interpretation -** J. Lowell[1]*, G. Paton[1] [1]GeoTeric
11:45	**Tu P6 08 - Channel Detection Using Unsupervised Learning Techniques -** A.H. Mardan[1]*, A. Javaherian[1], M. Mirzakhanian[2] [1]Amirkabir University of Technology, [2]NIOC
12:10	**Lunch break**

Poster: Seismic Reservoir Characterization A - New Workflows for Seismic Characterization
M. Kleemeyer; J.H. Hake

13:30	**Tu P6 09 - Application of Facies-control Geostatistical Inversion Method Based On Strata Structure Analysis -** X. Duan[1]*, Y. Li[1], Y. Li[1], H. Tan[1], W. Gao[1] [1]CNOOC
13:55	**Tu P6 10 - Bayesian Update of Wave Equation Based Seismic Inversion Using Geological Prior Information and Scenario Testing -** S. Sharma[1]*, D. Gisolf[2], S.M. Luthi[1] [1]Delft University of Technology, [2]Delft Inversion
14:20	**Tu P6 11 - Advanced Seismic Reservoir Characterization for Reservoir Modeling - A Deep-Water Case Study -** A. Gennari[1]*, G. Carrasquero[1], M. Fervari[1], E. Tozzi[1], A. Castoro[2] [1]Eni, [2]CGG Geosoftware
14:45	**Tu P6 12 - Incorporating of Well-log Uncertainties into Iterative Geostatistical Seismic Inversion -** P. Pereira[1]*, F. Bordignon[2], L. Azevedo[1], R. Nunes[1], A. Soares[1] [1]CERENA - Instituto Superior Técnico, [2]Federal University of Santa Catarina
15:10	**Coffee break**
15:30	**Tu P6 13 - A New Method to Construct Sensitive Fluid Factor -** Y. Li[1]*, J. Guo[1], D. Hou[1], D. Qin[1] [1]CNOOC
15:55	**Tu P6 14 - Delineating Porosity Distribution for an Offshore Groundwater Reservoir at the New Jersey Shelf by Seismic Inversion -** T. Jusri[1]*, A. Thomas[2], A. Ghanim[1], S. Reiche[2], S. Buske[1] [1]TU Bergakademie Freiberg, [2]RWTH Aachen University
16:20	**Tu P6 15 - Target-oriented, AVA-petrophysical Inversion through Anisotropic Markov Random Field -** M. Aleardi[1]*, F. Ciabarri[2], T. Gukov[2] [1]University of Pisa, [2]Edison
16:45	**Tu P6 16 - Characterization of Oil Glutenite Reservoir Using the Zoeppritz-Based Prestack Seismic Inversion and Rock Physics -** Y.D. Yang[1]*, Q.C. Zeng[1], X.L. Guo[1], Y.N. Luo[2], H.D. Huang[2], S. Chen[1], P. He[1], X.J. Wang[1], Q. Ge[1] [1]PetroChina, [2]China University of Petroleum

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E-POSTERS 7

Poster: Seismic Noise Attenuation A
M. Bekara; G. Hampson

08:30	**Tu P7 01 - Acquisition Footprint Suppression by Gabor Filtering -** W. Tian Gang[1]* [1]CNOOC
08:55	**Tu P7 02 - Ground Roll Attenuation Applying Matching Pursuit Algorithm -** S. Chen[1]*, Y. Li[1], J. Cheng[1] [1]China University of Petroleum
09:20	**Tu P7 03 - Application on Shearlet Transform Modulus Maxima in Surface Microseismic Denoising -** M. Li[1]*, Y. Li[1], Y. Tian[1], N. Wu[1], X. Dong[1] [1]Jilin University
09:45	**Tu P7 04 - Removal of Artefacts in Kx-Ky Domain to Improve Seismic Images over the Brunswick No. 6 Massive Sulphide Deposit, Canada -** S. Cheraghi[1]*, G. Bellefleur[1], B. Roberts[1], .D. White[1] [1]Natural Resources Canada
10:10	**Coffee break**
10:30	**Tu P7 05 - Random Noise Attenuation Using Non-convex Sparse Regularization and Generalized Beta Wavelets -** B. Wang[3]*, Y. Yang[1,2], G. Jinghuai[1,2], W. Zhiguo[1,2] [1]School of Electronic and Information Engineering, [2]National Engineering Laboratory for offshore oil Exploration, [3]Tongji University
10:55	**Tu P7 06 - 3D Parabolic High-resolution Radon Transform with Amplitude Preserved -** J. Zhang[1]*, J. Ma[1], G. Xu[1], B. Chang[1] [1]China University Of Petroleum
11:20	**Tu P7 07 - Deep Learning for Attenuating Random and Coherence Noise Simultaneously -** Yu[1]*, J. Ma[1] [1]Harbin Institute of Technology
11:45	**Tu P7 08 - Weak Signal Detection Using Multi-scale Morphology -** W. Cui[1]*, R. Wang[1], W. Huang[1], Y. Chen[2] [1]China University of Petroleum, [2]Oak Ridge National Laboratory
12:10	**Lunch break**

Poster: Seismic Attenuation A
Y. Wang; Y. Sakallioglu

13:30	**Tu P7 09 - Q Extraction from Full-waveform Acoustic Logs with Optimized Statistical Averaging Method -** J. Liang[1]*, G. Tang[1], T. Müller[2], S. Wang[1] [1]China University of Petroleum, [2]CSIRO Energy
13:55	**Tu P7 10 - An Improved Method to Estimate Q based on the Logarithmic Spectrum of Moving Peak Points -** Y. Liu[1]*, Z. Li[1], G. Yang[1], W. Cao[1], Q. Liu[1] [1]China University Of Petroleum
14:20	**Tu P7 11 - Non-stationary Seismic Resolution Enhancement Using Gabor Domain Spectral Decomposition -** J. Jamaly[1]*, M. Sadri[1], P. P. Moghaddam[2] [1]NIOC Exploration Directorate, [2]Ferdowsi University of Mashhad
14:45	**Tu P7 12 - An Improved Method for Q Factor Estimation based on Frequency Weighted Exponential Function -** Y. Jiang[1]*, Y. Ma[1], S. Cao[1], D. Zheng[1] [1]China University Of Petroleum
15:10	**Coffee break**
15:30	**Tu P7 13 - Simultaneous Inversion of Velocity and Attenuation Using Joint Time-frequency Domain for Cross-well Seismic Data -** G.H. Wei[1]*, H. Liu[1], Q. Kong[1], H. Yang[1], J. Zuo[1] [1]SINOPEC
15:55	**Tu P7 14 - Study of Near-Surface Q Value Extraction and Quantitative Amplitude Compensation Technology -** Q. Su[1]*, Y.C. Tian[1], X.R. Xu[1], M.T. Xiao[1], J. Wu[1], H.H. Zeng[1], S.G. Wang[2] [1]NWGI, PetroChina, [2]Tianjin King Shine Software Technology Co.
16:20	**Tu P7 15 - A Novel Q Compensation Method based on Generalized Two Parameters Control Operator -** H. Li[1]*, S. Chen[1], B. Zhang[2], D. Yuan[3] [1]SINOPEC, [2]CNPC, [3]Shenwu Environmental Technology Co.
16:45	**Tu P7 16 - The Research on Amplitude Compensation in Gas Cloud Based on Multi - Domain Joint Statistics - A Case of Penglai Area of -** Z. Zhang[1]*, D. Zhou[1] [1]CNOOC

E-POSTERS 8

Poster: Near Surface - Electrical and EM Methods, incl GPR A
B. El Marhfoul; I. Geldmacher

08:30	**Tu P8 01 - Simulation of Enhanced Geothermal Systems Using Dynamic Unstructured Mesh Optimisation -** P. Salinas[1]*, C. Jacquemyn[1], C. Heaney[1], D. Pavlidis[1], C. Pain[1], M. Jackson[1] [1]Imperial College London
08:55	**Tu P8 02 - Enhanced Resolution of Reflection GPR Data by Diffraction Imaging -** H. Yuan[1]*, M. Montazeri[1], M. Looms[1], J. Kammann[1], L. Nielsen[1] [1]University of Copenhagen
09:20	**Tu P8 03 - Fast Full Wavefield Inversion of Cross-hole Tomographic Data Using Machine L earning Methods -** T. Holm-jensen[1]*, T. Mejer Hansen[1] [1]Copenhagen University
09:45	**Tu P8 04 - A Staggered Approach to Extract Remanent Magnetization from Magnetization Vector Inversions Using an Active Source -** M. Queitsch[1]*, M. Schiffler[2], R. Stolz[2], N. Kukowski[1] [1]Institute For Geosciences, Friedrich-schiller University Jena, [2]Leibniz-Institute of Photonic Technology
10:10	**Coffee break**
10:30	**Tu P8 05 - Multi-physics Joint Inversion with Multiple Inter-Domain Regularizations -** D. Rovetta[1]*, D. Colombo[1] [1]Geophysics Technology, EXPEC Advanced Research Center, Saudi Aramco
10:55	**Tu P8 06 - Enhancing Subsurface Disposition Using Visual Rendering of 3D Iso -Resistivity Surfaces -** R. Akinwale[1]*, O. Akinwale[2], O. Waliu[3] [1]Mountain Top University, [2]Rockmode Geosciences, [3]Geophase Resources
11:20	**Tu P8 07 - 4D ERT Inversion Incorporating the Temperature Effects at Embankment Dams -** I. Cho[1]*, E. Kim[1], D. Jeong[1], Y. Kim[1], K. Kim[2], H. Yong[3] [1]Kangwon National University, [2]Heesong Geotek Co. Ltd., [3]Korea Rural Community Corporation
11:45	**Tu P8 08 - Absorbing Boundary Condition Implemented for the GPR Data Simulation Using SEM in the Frequency Domain -** S. Zarei[1]*, N. Amini[1], B. Oskooi[1], A. Rahimi Dalkhani[2] [1]University of Tehran, [2]Amirkabir University of Technology
12:10	**Lunch break**

Poster: Petrophysics A
W. Meddaugh; J. Biteau

13:30	**Tu P8 09 - A New Method for NMR Inversion Constrained by Generalized Prior Information -** G. Jin[1,2]*, R. Xie[1,2], J. Guo[1,2], M. Liu[1,2], L. Gao[1,2], M. Gu[1,2] [1]China University of Petroleum, [2]Chinese Academy of Sciences
13:55	**Tu P8 10 - Integrated Petrophysical Interpretation of Fractured Granite Basement Reservoirs -** H.A. Nguyen[1]*, A. The Vu[1], T. Thanh Nguyen[1] [1]Vietnam Petroleum Institute
14:20	**Tu P8 11 - Improvement of Measurement and Interpretation of LLD Resistivity Log in the Polish Cases of Groningen Effect Formations -** S. Baudzis[1]*, J. Jarzyna[2] [1]Geofizyka Torun S.A., [2]AGH University of Science and Technology
14:45	**Tu P8 12 - Comparing the Uncertainties Inherent to Different Reservoir Rocktyping Methods for a Giant Carbonate Reservoir -** M. Albreiki[1]*, S. Geiger[1], P. Corbett[1] [1]Heriot-Watt University
15:10	**Coffee break**
15:30	**Tu P8 13 - Soft-Computing Methodology for Prediction of Water Saturation in Fractured Carbonate Reservoirs -** L. Sheremetov[1]*, J. Martínez-Muñoz[1], M. Chi-Chim[1] [1]Mexican Petroleum Institute
15:55	**Tu P8 14 - Simulating the Influence of Micro-Pore Structure on Mud Invasion Using the Digital Rock Technology -** X. Zeng[1]*, J. Sun[1], H. Dong[1], L. Cui[1] [1]China University Of Petroleum
16:20	**Tu P8 15 - The Photogrammetric Survey of the Core for Obtaining the Surface Relief of the Sample -** A. Starovoytov[1]*, V. Kosarev[1], A. Fattakhov[1] [1]Kazan Federal University

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E-POSTERS 9

Poster: Seismic Modelling A
A. Sharma; L. Casasanta

08:30	**Tu P9 01 - New Continuous Mass-lumped Finite Elements for 3D Wave Propagation -** S. Geevers[1]*, W.A. Mulder[2], J.J.W. van der Vegt[1] [1]University of Twente, [2]Shell GSI BV & Delft University of Technology
08:55	**Tu P9 02 - S-wave in Homogeneous Acoustic Transversely Isotropic Media with Tilted Symmetry Axis -** S. Jin[1]*, A. Stovas[1] [1]Norwegian University of Science and Technology
09:20	**Tu P9 03 - Finite-difference Numerical Modeling with Variable Mechanism for Viscoacoustic Wave Equation -** Q. Lv[1]*, R.Q. Cai[1], C.Y. Sun[1], D.S. Wu[1], S.Z. Li[1] [1]China University Of Petroleum
09:45	**Tu P9 04 - Fresnel Zone in VTI and Orthorhombic Media -** S. Xu[1]*, A. Stovas[1] [1]Norwegian University of Science & Technology
10:10	**Coffee break**
10:30	**Tu P9 05 - An Effective Implicit Finite Difference Method with High-order Temporal Accuracy for Modelling 2D Acoustic Wave Equation -** H. Qi[1]*, E. Wang[1], H. Qi[1], E. Wang[1], J. Ba[1], J. Zhou[1], T. Yu[1], W. Cheng[1]* [1]Hohai University
10:55	**Tu P9 06 - Optimal Implicit Finite-difference Method for the Scalar Wave Simulation -** Y. Zhang[1]*, Y. Liu[1] [1]China University of Petroleum
11:20	**Tu P9 07 - A Precise Simulation of Pure qP-wave in VTI Media -** X.R. Mu[1]*, J.P. Huang[1], J.Q. Huang[1], X. Guo[1], S.Q. Yuan[1] [1]China University of Petroleum
11:45	**Tu P9 08 - A Hybrid Finite-difference and Spectral-element Method for Free-surface Topography Modeling -** P.P. Moghaddam[2], A. Rahimi Dalkhani[1]*, N. Keshavarz[3], H. Beyrami[3], M. Sharifi[4], M. Mohajjel Kafshdooz[5] [1]Amirkabir University of Technology, [2]Ferdowsi University of Mashhad, [3]Research Institute of Petroleum Industry, [4]Sharif University of Technology, [5]Qom University of Technology
12:10	**Lunch break**

Poster: Seismic Imaging - Least Squares and Migration
D. Sun

13:30	**Tu P9 09 - Source-independent Elastic Least-squares Reverse Time Migration -** J.W. Fang[1]*, H. Zhou[1], H.M. Chen[1], Z. Zhou[1], J.L. Zhang[2], Z.B. Guo[2] [1]China University of Petroleum, [2]BGP, CNPC
13:55	**Tu P9 10 - Imaging Vertical Interfaces Using Acoustic Time-reversal -** S. Singh[1]*, A. Curtis[1] [1]University Of Edinburgh
14:20	**Tu P9 11 - Improving Image-domain Least-squares Reverse Time Migration Close to High Velocity Contrasts -** R. Fletcher[1]*, M. Cavalca[1] [1]Schlumberger
14:45	**Tu P9 12 - A Space-Time Self-Adaptive Gaussian Beam Migration with Optimized Dynamic Beam Parameter -** Q.D. Lv[1]*, J.P. Huang[1], J.D. Yang[2], Z.C. Li[1] [1]China University of Petroleum, [2]The University of Texas at Dallas
15:10	**Coffee break**
15:30	**Tu P9 13 - Improvement of Reverse Time Migration Image Using a Combination of De-primary and Impedance Matching Methods -** G. Lee[1]*, S. Pyun[1] [1]Inha University
15:55	**Tu P9 14 - One-step Least-square Reverse Time Migration Using Wavefield Decomposition Imaging Condition -** H. Xue[1]*, Y. Liu[1], J. Wang[1], H. Zhou[1] [1]China University of Petroleum
16:20	**Tu P9 15 - Least-squares RTM based on Nonstationary Preconditioner for Viscoacoustic Media -** X. Wang[1], H. Ren[1]*, J. Jiang[1] [1]Zhejiang University
16:45	**Tu P9 16 - P-And S-Wave Separated Elastic Reverse Time Migration for OBS Data from Fluid-Solid Media with Irregular Seabed Interfac -** Y. Qu[1]*, J. Li[2], Z. Li[1], J. Huang[1] [1]China University of Petroleum, [2]Chinese Academy of Geological Sciences

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Student e-Poster presentations Tuesday 12 June

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E-POSTERS STUDENTS 1

Student Poster: Geophysics Other, Energy, CO2

W. Huang; S. MANRAL

08:30	**Tu SP1 01 - Competitive Adsorption in Coal: An Implementation of Carbon Dioxide Storage Technology in Moira Colliery, India -** M. Asif[1]*, P. Naveen[1], K. Ojha[1], D. Panigrahi[1] [1]Indian Institute of Technology
08:55	**Tu SP1 02 - Investigating Noise Attenuation by Anisotropic Diffusion -** E.V. Grønhaug[1]* [1]University Of Oslo
09:20	**Tu SP1 03 - Multi-Dimensional Seismic Data Reconstruction via RBF Interpolation and K-NN Algorithm -** M. Zhang[1]*, Y. Liu[1], Y. Chen[2] [1]China University of Petroleum, [2]Oak Ridge National Laboratory
09:45	**Tu SP1 04 - The Split-Bregman Algorithm for Least Squares Migration in Imaging-Domain -** B.W. Jiang[1]*, J.F. Zhang[2] [1]Chinese Academy of Sciences
10:10	Coffee break
10:30	**Tu SP1 05 - A Comparison between Time-Domain and Frequency-Domain Full Waveform Inversion -** S.M.A. Shoja[1], S. Abolhassani[1,2]*, N. Amini[1] [2]Delft University of Technology, [1]University of Tehran
10:55	**Tu SP1 06 - Application of Elastic Full-Wavform Inversion on Blackfoot 3D Multicomponent Data -** M. Radwan[1]*, W. Weibull[1] [1]University Of Stavanger
11:20	**Tu SP1 07 - Supersonic Separation for the Sustainable Development of Natural Gas: Condensation of Water Vapour -** Z. Jiang[1]*, Y. Yang[1], C. Wen[1] [1]Changzhou University
11:45	**Tu SP1 08 - Energy Consulting and Usage of Sustainable Energy Using Shallow Geothermal Case Study in Harz Region -** S. Hikmahtiar[1]* [1]TU Clausthal
12:10	Lunch break

Student Poster: Tectonics, Sedimentation and Exploration

S. Torrescusa; R.S. Ajin

13:30	**Tu SP1 09 - Late Jurassic–Early Cretaceous Tectonostratigraphic Evolution of the Nysleppen Fault Complex, Southwestern Barents Sea -** B. Usken[1]*, A. Escalona[1], D. Marin[1] [1]University Of Stavanger
13:55	**Tu SP1 10 - Interpretation of Late Carboniferous Thin-Skinned Structures on a Seismic Image -** D. Dziubacki[1]* [1]AGH University Of Science And Technology
14:20	**Tu SP1 11 - Middle to Upper Jurassic Depositional Settings in the Hammerfest Basin -** T.I. Braut[1]*, A. Escalona[1], I.C. Augustsson[1] [1]University Of Stavanger
14:45	**Tu SP1 12 - Using Eroded Fault Block Crests to Uncover the Extensional History of the Exmouth Plateau - North West Shelf, Australia -** H. Rohead-O'Brien[1]* [1]Curtin University
15:10	Coffee break
15:30	**Tu SP1 13 - Tectono-Stratigraphic Evolution of the Gulf of Venezuela -** R. Navas[1]*, A. Escalona[1] [1]University of Stavanger
15:55	**Tu SP1 14 - Hydrocarbon Charge History of Palaeogene Resivoir in Northern Dongpu Depression, Bohai Bay Basin -** H.J. Hu[1]*, Y.L. Jiang[1], K. Zhao[1] [1]China University of Petroleum
16:20	**Tu SP1 15 - Paleoflow Directions Measurements Using Anisotropy of Magnetic Susceptibility: A Case Study – East Carpathians, Romania -** S. Sortan[1]*, C. Panaiotu[1], D. Dimofte[1], R. Roban[1] [1]University of Bucharest
16:45	**Tu SP1 16 - Comparing Longitudinal Profiles and Hypsometric Curves for Sensitivity Analysis of Digital Elevation Model Using Tecdem -** Y. Mathur[1]* [1]Indian School of Mines

E-POSTERS STUDENTS 2

Student Poster: Petrophysics, Geomechanics And Rock Physics

M.R. Saberi; P.-O. Lys

08:30	**Tu SP2 01 - 3D Modelling of the New Resistivity Microimaging Tool Signals for Logging While Drilling -** K. Danilovskiy[1]*, V. Glinskikh[1,2,3], O. Nechaev[1] [3]Novosibirsk State Technical University, [2]Novosibirsk State University, [1]Trofimuk Institute of Petroleum Geology and Geophysics SB RAS
08:55	**Tu SP2 02 - Isogeometric Spectral-Element and Experimental Analysis of Time-Dependent Poro Elastic Response of a Borehole -** P. Behnoudfar[1]*, A. Rezagholilou[1] [1]Curtin University
09:20	**Tu SP2 03 - Elastic Rock Properties Influencing Factors - Mineralogy, Porosity And Microstructure -** F. Dertnig[1]*, N. Gegenhuber[1] [1]Montanuniversität Leoben
09:45	**Tu SP2 04 - A New Approach for Selection of Casing Seating Depths -** M. Sabah[1]*, B. Ashrafi[1], M.J. Ameri[1], A. Shahriari[1] [1]Amirkabir University Of Technology
10:10	Coffee break
10:30	**Tu SP2 05 - Wellbore Stability Analysis Using Geomechanical Units in One of the Gas Fields in South of Iran -** P. Zamani[1]*, P. Adabnezhad[2], M. Hosseinzade[3] [1]Amirkabir University of Technology, [3]Iranian Offshore Oil Company, [2]University of Tehran
10:55	**Tu SP2 06 - Investigation of Pillar Width Effect on Pillar Stability in Inclined Layers by Numerical Model, Hamkar Mine Field Study -** H. Ameri[1]*, M. Motahhari[1] [1]Petroleum University Of Technology
12:10	Lunch break

Student Poster: Exploration, Outcrops & Analogs and Sedimentology

M. Etchebes; B. Tumakovaite

13:30	**Tu SP2 09 - First-Order Assessment of Gas Reserves in the Lower Fangliao Basin Gas Hydrate Prospect, Offshore Southwest Taiwan -** F. Dirgantara[1]*, A.T. Lin[1], C. Liu[2] [1]National Central University, [2]National Taiwan University
13:55	**Tu SP2 10 - Dynamics and Evolution of Growth Faults - Implications on Stratigraphic Geometries and Facies Distribution -** A.U. Okoro[1], D.O. Anomneze[1]* [1]Nnamdi Azikiwe University
14:20	**Tu SP2 11 - Bayesian Networks for Decisions under Uncertainty in Basin Modeling -** T. Chheda[1]*, T. Mukerji[1], A.H. Scheirer[1], S.A. Graham[1] [1]Stanford University
14:45	**Tu SP2 12 - Structural Development of the Kerinitis Delta (Greece) and Controls on Sedimentation -** A. Mathivon[1]*, C. Townsend[1], A. Escalona Varela[1] [1]University Of Stavanger
15:10	Coffee break
15:30	**Tu SP2 13 - Quantification and Prediction of Braided Fluvial Systems Using Digital Outcrop Models -** D. Taylor[1]*, D. Hodgetts[1], J. Redfern[1], J. Richardson[2] [2]University of Birmingham, [1]University of Manchester
15:55	**Tu SP2 14 - Selandian - Ypresian (Paleogene) Oil Shales from Jordan - Their Petrography and Stable Isotope Patterns -** I. Beik[1]*, O.G. Podlaha[2], J. Mutterlose[1] [1]Ruhr University Bochum, [2]Shell Global Solutions International B.V.
16:20	**Tu SP2 15 - Seismic Geomorphology of Early Miocene Multi-Stage Shallow-Water Turbidite System, Yinggehai Basin, China -** H.R. Liu[1]* [1]Louisiana State University

Best Student Paper Prize

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AUDITORIUM 10

Alternative Broadband Technology
P. Fontana; J. Rickett

08:30 **We A10 01 - Geophysical Testing of a Marine Vibrator Integrated Projector Node (MV-IPN) at Seneca Lake -** A. Feltham[1]*, M. Jenkerson[2], N. Henderson[3], M. Girard[4], V. Nechayuk[2], A. Cozzens[5]
[1]Total E&P Research & Technology LLC, [2]ExxonMobil Corporation, [3]Shell International Exploration and Production Inc., [4]Total S.A., [5]Shell Canada Ltd

08:55 **We A10 02 - How Can We Emit Enough Energy From a Marine Seismic Vibrator? -** R. Laws[1]*, J. Hopperstad[1], E. Kragh[1], D. Halliday[1]
[1]Schlumberger

09:20 **We A10 03 - Making the Transition from Discrete Shot Records to Continuous Wavefields - Methodology -** S. Hegna[1]*, T. Klüver[1], J. Lima[1]
[1]PGS

09:45 **We A10 04 - Making the Transition from Discrete Shot Records to Continuous Wavefields – Real Data Application -** T. Klüver[1]*, S. Hegna[1], J. Lima[1]
[1]PGS

10:10 Coffee break

Broadband Acquisition and Processing I

10:30 **We A10 05 - Technological Advancements in Broadband Processing – A Reprocessing Case History from the Barents Sea -** P. Cox[1]*, P.E. Dhelie[2], V. Danielsen[2], S. Bhamber[1], C. Ditty[1]
[1]TGS, [2]Lundin Norway

10:55 **We A10 06 - Recent Advances in Hydrophone-Only Receiver Deghosting -** G. Poole[1]*, S. King[1], J. Cooper[1]
[1]CGG

11:20 **We A10 07 - QC of Marine Broadband Deghosting Using Match Filters -** E. Kleiss[1], J. Wall[2]*
[1]Retired from Shell, [2]Shell Projects & Technology

11:45 **We A10 08 - Multi-Sensor Receiver Deghosting Using Data Domain Sparseness Weights -** G. Poole[1], J. Cooper[1]*
[1]CGG

12:10 Lunch break

Seismic Imaging - Case Histories II
L. Letki; A. Ratcliffe

13:30 **We A10 09 - Uncovering the Missing Data in the Gas Cloud with P-P Wave Imaging – a Deep Water OBN Survey from Southeast Asia Region -** A. Sazykin[1]*, H. Van Voorst Vader [1], V. Goh[1], P. Nayak[1], S. Gerritsen[1], W.L. Cheah[1], G. Menzel-Jones[1], P. Kristiansen[1], M. Tham[1]
[1]WesternGeco

13:55 **We A10 10 - Value of Seismic Data Reprocessing - Alaminos Canyon, Lamprey Prospect Case Study -** K. Abdelaziz[1]*, S. Hydal[1], M. Liu[1], A.R. Castelan[1], O. Zdraveva[1], L. Zhang[1], T. Roesler[2], D. Reiter[2], R. Kerr[3]
[1]Schlumberger, [2]Stone Energy Corporation, [3]Houston Seismic

14:20 **We A10 11 - Risk Reduction and Accelerating Drill or Drop Decisions Using DHI and AVO Anomalies: A Case Study from the Vema Dome, NC -** P.Y. Raya[1]*, P. Brown[2], J. Singh[2], S. Greenwood[2], J. Raffle[2], R. O'Driscoll[2]
[1]Wintershall Norge AS, [2]ION

14:45 **We A10 12 - Common Reflection Angle Migration Revealing the Complex Deformation Structure beneath Forearc Basin in the Nankai Trough -** K. Shiraishi[1]*, M. Robb[2], K. Hosgood[3], Y. Yamada[1]
[1]JAMSTEC, [2]Emerson Paradigm, [3]Emerson Paradigm

15:10 Coffee break

Near Surface - Mining Geophysics
O. Hachay; R. Ferguson

15:30 **We A10 13 - Time-Lapse Reflection Seismic Monitoring for Longwall Caving Assessment -** B. Zhou[1]*, H. Guo[1], Q. Qu[1], L. Yuan[2]
[1]CSIRO, [2]Anhui University of Science and Technology

15:55 **We A10 14 - H/V Ratio as an Indicator for Cavity Detection : Numerical and Experimental Study -** C. Filippi[1,2]*, D. Leparoux[1], G. Grandjean[2], A. Bitri[2], P. Côte[1]
[1]IFSTTAR, [2]BRGM

16:20 **We A10 15 - Integrated Interpretation of Multimodal Geophysical Data for the Exploration of Submarine Hydrothermal Deposits -** M. Endo[1]*, L. Cox[1], M. Zhdanov[1], E. Asakawa[2]
[1]TechnoImaging LLC, [2]J-MARES/JGI

16:45 **We A10 16 - 3D Conventional vs 3D Broadband Reflection Seismics for Deep Mineral Exploration: Re-Process Legacy Data or Re-Acquire N -** M. Manzi[1]*, R. Durrheim[1], G. Cooper[1]
[1]University of the Witwatersrand

AUDITORIUM 11

Rock Physics II - Pressure and Uplift
J. Smidt; M. Mangriotis

08:30 **We A11 01 - Contribution of Rock Physics Laboratory Tests and Modelling to Improving Uplift Estimates -** S. Torset[1]*, K. Duffaut[1], R.M. Holt[1]
[1]Norwegian University of Science & Technology

08:55 **We A11 02 - Effective Pressure for Elastic Wave Velocities of Sandstone -** J. Nie[2]*, G. Shen[1], X. Han[2], J. Guo[2], H. Li[2], J. Jiang[2], D. Zhang[2], R. Zhang[1], X. Wang[1]
[1]SINOPEC, [2]China University of Petroleum

09:20 **We A11 03 - Net Exhumation Estimation Using an Effective-medium Technique Based On Seismic Traveltime Measurements -** R. Martinez[1]*, K. Duffaut[1]
[1]Norwegian University of Science and Technology

09:45 **We A11 04 - Micro X-ray CT Imaging of Pore-Scale Changes in Unconsolidated Sediment under Confining Pressure -** M. Schindler[1]*, M. Prasad[1]
[1]Colorado School of Mines

10:10 Coffee break

Rock Physics II - Models
M. Mangriotis; J. Smidt

10:30 **We A11 05 - Comparison of Xu-White, Simplified Xu-White (Keys & Xu) and Nur's critical porosity in shaley sands -** H. Amini[1]*
[1]Heriot-Watt University

10:55 **We A11 06 - A Rock Physics Model for Heavy Oil Sandstones by Combing Xu-White Model and Generalized Gassmann Equations -** J.J. Zhang[1]*, H.B. Li[2], X.Y. Yin[1], G.Z. Zhang[1], C. Lv[1], X.G. Fan[1]
[1]China University of Petroleum, [2]PetroChina

11:20 **We A11 07 - Lithology and Pore Structure Driven Rock Physics Model for Consolidated Siliciclastic Rocks -** E.H. Jensen[1]*, Å. Drottning[1,2], A.H. Breistøl[1], G. Mjøen[3]
[1]Rock Physics Technology As, [2]University of Bergen, [3]VNG Norge

11:45 **We A11 08 - Calibration of Minerals' and Dry Rock Elastic Moduli in Sand-Shale Mixtures -** H. Amini[1]*
[1]Heriot-Watt University

12:10 Lunch break

Rock Physics III - Shales and Source Rocks
M.R. Saberi; P. Avseth

13:30 **We A11 09 - Static and Dynamic Characterization of a Deep Overburden Shale -** A. Bakk[1]*, J.F. Stenebråten[1], S. Lozovyi[2], A. Bauer[1], E.F. Sønstebø[1], E. Fjær[1], M.H. Bhuiyan[1], S. Chakraborty[3], R.M. Holt[2]
[1]SINTEF, [2]NTNU, [3]BP

13:55 **We A11 10 - Seismic Inversion and Rock Physical Parameter Estimation for the Unconventional Vaca Muerta Shale Oil Play, NW Argentina -** D. Curia[1]*, P. Veeken[2]
[1]Wintershall Energia SA, [2]Wintershall Holding GmbH

14:20 **We A11 11 - Seismic Anisotropy of the Organic-Rich Shale in Southeast of Sichuan Basin -** Z. Liu[1]*, F. Zhang[1], X. Li[1], S. Chen[1], R. Peng[1]
[1]China University of Petroleum

14:45 **We A11 12 - Influence of Silt and Organic Matter Contents on Elastic Properties of Shaly Formations -** M. Pervukhina[2], P. Rasolofosaon[1], V. Mikhaltsevitch[3]*
[1]IFP Energies Nouvelles, [2]CSIRO , [3]Curtin University

15:10 Coffee break

Rock Physics III - Pore Fluids and Anisotropy
M.R. Saberi; P. Avseth

15:30 **We A11 13 - Laboratory Studies of Artificial Oil Sands Samples -** H. Yuan[1]*, D. Han[2], Q. Huang[2]
[1]University of Copenhagen, [2]University of Houston

15:55 **We A11 14 - A Simple Recipe for Estimating the Change in Elastic Properties of Porous Rocks with Solid Infill -** Y. Sun[1]*, B. Gurevich[1,2], M. Lebedev[1], S. Glubokovskikh[1], V. Mikhaltsevitch[1]
[1]Curtin University, [2]CSIRO

16:20 **We A11 15 - Anisotropic Frequency-dependent Characteristics of P-SV-waves in Periodically Layered Porous Media -** X. Qin[1]*, X.Y. Li[1,2], H. Dai[2], Z. Cao[1]
[1]China University Of Petroleum, [2]British Geology Survery

16:45 **We A11 16 - A New Method to Quantify Elastic Anisotropy of a Transversely Isotropic Medium -** O. Shitrit[1]*, Y.H. Hatzor[1], S. Feinstein[1], V. Palchik[1], H.J. Vinegar[1]
[1]Ben-Gurion University Of The Negev

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AUDITORIUM 12

FWI II - Cycle Skipping And Constrained FWI
H. Chauris

08:30	**We A12 01 - Mitigate Cycle Skipping in FWI: a Generalized Instanatenous Travel-Time Approach -** B. Sun[1]*, T. Alkhalifah[1] [1]King Abdullah University of Science and Technology
08:55	**We A12 02 - FWI with Optimal Transport: a 3D Implementation and an Application on a Field Dataset -** R. Poncet[1], J. Messud[1]*, M. Bader[1], G. Lambaré[1], G. Viguier[1], C. Hidalgo[2] [1]CGG, [2]INEOS
09:20	**We A12 03 - Constructing Misfit Function for Full Waveform Inversion Based on Sliced Wasserstein Distance -** F. Chen[1]*, D. Peter[1] [1]KAUST
09:45	**We A12 04 - A Graph-Space Optimal Transport Approach for Full Waveform Inversion -** L. Metivier[1]*, A. Allain[2], R. Brossier[3], Q. Merigot[4], E. Oudet[2], J. Virieux[3] [1]CNRS, Univ Grenoble Alpes, LJK/ISTerre, [2]Univ. Grenoble Alpes, LJK, [3]Univ. Grenoble Alpes, ISTerre, [4]Univ. Paris Sud, LMO
10:10	**Coffee break**
10:30	**We A12 05 - Shape Optimization Using Randomized Radial Basis Functions and Interpreter Guidance -** T. Dahlke[1]*, B. Biondi[1] [1]Stanford University
10:55	**We A12 06 - Imaging Contrasted Media with Total Variation Constrained Full Waveform Inversion and Split Bregman Iterations -** H. Aghamiry[1,2]*, A. Gholami[1], S. Operto[2] [1]University Of Tehran, [2]University of Côte d'Azur
11:20	**We A12 07 - Automated Salt-Model Building Using Constrained FWI -** L. Guasch[2]*, T. Lin[2], F. Herrmann[3], M. Warner[1] [1]Imperial College London, [2]S-Cube, [3]UBC
11:45	**We A12 08 - Full-Waveform Inversion for Automated Salt Flooding -** M. Kalita[1]*, V. Kazei[1], Y. Choi[1], T. Alkhalifah[1] [1]King Abdullah University of Science and Technology
12:10	**Lunch break**

Super Basins, Global Energy Resources (Dedicated Session EAGE-AAPG)
C.A. Sternbach

13:30	**We A12 09 - Discovery Thinking and Exploration Creativity in the Age of the Super Basins -** C.A. Sternbach[1]* [1]AAPG
13:55	**We A12 10 - North Africa – A Rejuvenated Super Basin -** J. Craig[1], C. Andrea[1]* [1]Eni Upstream & Technical Services
14:20	**We A12 11 - The Past, Present and Future of the North Sea - Extending the Life of our Super Basins -** J.R. Underhill[1]* [1]Heriot-Watt University
14:45	**We A12 12 - In With The New, And In With The Old - Why All Super-Basins Still Great To Explore -** N. Hodgson[1]*, K. Rodriguez[1] [1]Spectrum Geo Ltd.
15:10	**Coffee break**

Recent Insides of Petroleum Exploration of the North Sea

15:30	**We A12 13 - The Jurassic Development of the Danish Central Graben: High-resolution Stratigraphy, Palaeo-geography and Prospectivity -** P.N. Johannessen[1]*, K. Dybkjær[1], F. Jakobsen[1], L. Kristensen[1], E. Thomsen[1], C. Andersen[1] [1]GEUS
15:55	**We A12 14 - Newly-Observed Post-Variscan Extensional Mini-Basins: The Key to the Prospectivity of the Under-Explored Platform Areas -** S. Patruno[1]*, V. Lampart[1] [1]PGS
16:20	**We A12 15 - How Dry Are 'Dry' Wells? Critically Re-evaluating Well Data with New Eyes -** Harris Uist[1]*, M.R. Cecchi[1] [1]Wintershall Norge AS
16:45	**We A12 16 - Sequence Stratigraphy in Danish Central Graben – A Case study from a Rifted Basin -** G.L. Netzeband[1]*, B. Boeckel[1], C. Marchel[1], T. Karow[1], A. Hildebrand[1], A.J. Nieberding[1], J.W.G. Grobys[1] [1]DEA Deutsche Erdoel AG

AUDITORIUM 15

Exploration Play Prospects II
M. Francis; M. Eckard

13:30	**We A15 09 - Geodynamic Gamechangers in Petroleum System Models -** E.H. Hartz[1,2]*, S. Medvedev[2], D. Schmid[3], J.I. Faleide[2], K. Iyer[3], A. Hosford Scheirer[4], A. Hartwig[1] [1]Aker Bp, [2]Oslo University, [3]GeoModelling Solutions , [4]Stanford University
13:55	**We A15 10 - Types, Characteristics, Causes and Control of Hydrocarbon of the Conduit Facies in the Volcanic Development Zone -** X.T. Liu[1], X. Sun[1], X. Zhang[1], X. Hua[1], D. He[1], G.R. Xiao[1]* [1]CNOOC
14:20	**We A15 11 - Unraveling the Impact of Salt Tectonics on the Hydrocarbon Potential of Southern Mexico Offshore -** R. Ysaccis[1]*, F. Snyder[1], K. Lyon[1], J. Hernandez[1], M. Mikhaltsev[1], S. Villarroel[1], M. El-Toukhy[1], M.G. Rowan[2] [1]Schlumberger - WesternGeco, [2]Rowan Consulting, Inc.
14:45	**We A15 12 - The Petroleum Prospectivity of the Central Ridge to Flemish Cap Region, Offshore Newfoundland and Labrador, Canada -** D. Norris[1]*, V. Mitchell[1], D. Cameron[1], J. Carter[1] [1]Nalcor Energy Oil and Gas Inc.
15:10	**Coffee break**
15:30	**We A15 13 - Building a Stochastic Geophysical Workflow for Consistent Prospect Targeting: a North Sea Case Study -** M. Collet[1]*, R. Pfau[2], L. Sandjivy[1] [1]Seisquare, [2]Conoco Phillips
15:55	**We A15 14 - Exploring New Frontiers in World-Class Prolific Mexican Gulf of Mexico Basin: Opportunities and Challenges -** M. Mikhaltsev[1], M. El-Toukhy[1], R. Ysaccis[1]*, K. Lyons[1], M.A. Eissa[1], J. Hernandez Casado[1], H.S. Villarroel[1], L. Mulisheva[1] [1]Schlumberger
16:20	**We A15 15 - Well Correlation in Complex Stratigraphic Settings with Automated Cuttings Mineralogy, an Example from West Africa -** D. Brethaut[1]*, C. Rigollet[2], V. Vernain-Perriot[1], K. de Vries[1], M. Power[3] [1]SGS Subsurface Consultancy, [2]CVA, [3]SGS Advanced Reservoir Quality Services
16:45	**We A15 16 - Characterization of Shallow Hydrocarbon Accumulations in the Central North Sea -** M. Malah[1]*, M. Huuse[1], I. Kane[1] [1]University of Manchester

Note: technical programme version - 15 April 2018.

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ROOM A

4D Case Studies
T. Holten; D. Lawrance

08:30	**We A 01 - The Valhall LoFS Program: 15 Years Old and Going Strong -** E. Kjos[1]*, K. Andorsen[1], N. Haller[1], V.D. Eriksen[1] [1]Aker BP ASA
08:55	**We A 02 - Insights From the First 4D Seismic over Valdemar Lower Cretaceous Chalk Field -** A.S. Calvert[1]*, A. Cunningham[1], M.S. Motlagh[1], L.P. Jensen[1], T.G.G. Fuzeau[1], K.C. Ooi[1] [1]Maersk Oil
09:20	**We A 03 - Significant New Value From 4D Towed Streamer Monitoring At ACG -** D. Lawrance[1]*, P. Tillotson[1], T. Ibrahimzade[2], T. Alakbarova[2], N. Ismayilov[2], P. Cook[2] [1]BP Exploration Operating Company Ltd, [2]BP Exploration Caspian Sea Ltd
09:45	**We A 04 - A Novel Approach of Using 4D Experience and Petro-Elastic Modelling to Evaluate Future 4D Needs on the Njord Field -** S. Ng[1]*, E. Høvde[1] [1]Statoil
10:10	Coffee break
10:30	**We A 05 - Monitoring of Steam Injection in a Heavy Oil Reservoir by Integration of Production and 4D Seismic Data -** M.A. Bagheri[1]*, M. Paydayesh[2], S. Al-Ballam[2] [1]Kuwait Oil Company, [2]Schlumberger
10:55	**We A 06 - Watching Gas Move: Seismic 4D Reservoir Monitoring of the Pluto Gas Field, North West Shelf of Australia -** A. Gerhardt[1]*, L. Tilbury[1] [1]Woodside Energy Ltd.
11:20	**We A 07 - Integration of 4D Seismic Data for Improved Reservoir Management and Development Decisions in the Dan Field -** J. Zaske[1]*, E. Lund[1], L. Vestergaard[1], K. Lauriks[1], A. Singh[1] [1]Maersk Oil
11:45	**We A 08 - 4D Value on Gullfaks: Stronger Than Ever -** D. Eckert[1]*, E. Sadikhov[1], B. King[1], F. Hansteen[1], P. Saure-Thomassen[1], T.V. Mardalen[1] [1]Statoil ASA
12:10	Lunch break

Seismic Interpretation II - Well Logs and Wavelets
V. Aarre

13:30	**We A 09 - Novel Log Upgrading and Integration Methodology to Improve Seismic-To-Well Matches and Seismic Interpretation with Appli -** V. van Hoegaerden[1]*, T.J. Moser[2], P. van Heiningen[3] [1]EnerGeophy Consultancy, [2]Moser Geophysical Services, [3]Provenance Exploration Consultancy BV
13:55	**We A 10 - Missing Well Log Estimation by Multiple Well-log Correlation -** S. Bader[1]*, X. Wu[1], S. Fomel[1] [1]University of Texas at Austin
14:20	**We A 11 - A Wavelet Calculation Method Based on Source Wavefield Reconstruction Theory -** Z. Liang[1]*, G. Wu[1], X. Zhang[1] [1]China University of Petroleum
14:45	**We A 12 - Calcium-bearing Sandstone Reservoir Identification Based on an Improved S-wave Velocity -** Y. Yang[1]*, X. Yin[1], G. Gao[2] [1]China University of Petroleum, [2]Yangtze University
15:10	Coffee break

Seismic Interpretation II - Interpretation and Processing
V. Aarre

15:30	**We A 13 - Multi-Azimuth Modelling, Acquisition and Co-Processing for Joint Structural Interpretation and Model-Uncertainty Assessm -** A. Wever[1]*, S. Deneuvillers[1], V. Smirnov [1], J. Schaaf[2] [1]Wintershall Noordzee B.V., [2]formerly Wintershall Noordzee B.V.
15:55	**We A 14 - Multivariate Constraints Time-Depth Conversion Method Based On Velocity Tomography and Application in Bohai K Oilfield -** G. Xiao[1]*, Y. LI[1], B. Jiang[1], X. Duan[1], Y. Li[1] [1]CNOOC
16:20	**We A 15 - Revisiting Pyrenean Foothills Structural Imaging by Seismic Interpretation in the Shot Domain - Case Study from 2D ECORS -** H. Puntous[1], F. Adler[1]*, C. Strobbia[2], E. Masini[1], S. Calassou[1] [1]Total SA, [2]Realtimeseismic
16:45	**We A 16 - Optimisation of Prestack Scaling Prior to Seismic Inversion -** N. Ijioma[1]*, E. Zabihi Naeini[2] [1]Leeds University, [2]Ikon Science Ltd

ROOM B

Microseismic Waveform Detection And Inversion
D. Gajewski

08:30	**We B 01 - Real-Time Microseismic Monitoring at Grane, Offshore Norway -** M. Houbiers[1]*, S. Bussat[1], Z. Zarifi[1] [1]Statoil ASA
08:55	**We B 02 - Nonlinear Filtering for Detection and Location of Microseismic Events: Generalization of Nonlinear Stacking Methods -** A. Özbek[1]*, T. Probert[2], A. Gendrin[1] [1]Schlumberger, [2]formerly Schlumberger
09:20	**We B 03 - Event Detection and Phase Picking Based on Deep Convolutional Neural Networks -** L. Zhu[1], Z. Peng[1], J. McClellan[1]* [1]Georgia Institute of Technology
09:45	**We B 04 - Automated Microseismic Waveform Location Using Multichannel Coherency Migration -** P. Shi[1]*, D. Angus[2], A. Nowacki[1], S. Rost[1], S. Yuan[3] [1]University of Leeds, [2]ESG Solutions, [3]China University of Petroleum
10:10	Coffee break
10:30	**We B 05 - Analysis of Sensitivity Kernels for Full Waveform Inversion of Microseismic Data -** A.F. Baird[1,2]*, I.A. Vera Rodriguez[1], C.J. Thomson[1] [1]Schlumberger Gould Research, [2]University of Bristol
10:55	**We B 06 - Full-Waveform Inversion of Microseismic Events to Estimate Origin Times, Locations, Moment Tensors and an Attenuative -** I. Vera Rodriguez[1]* [1]Schlumberger Research
11:20	**We B 07 - Waveform Inversion of Passive Seismic Data Using Multi-Scattered Energy -** C. Song[1]*, T. Alkhalifah[1], Z. Wu[1] [1]King Abdullah University of Science and Technology
11:45	**We B 08 - Full Waveform Event Location and Cluster Analysis for Groningen Induced Seismicity -** E. van Dedem[1]*, C. Willacy[1], J. Blokland[1], T. Piesold[1], S. Minisini[1] [1]Shell Global Solutions International BV
12:10	Lunch break

The Resolution Of Anisotropy I
L. Thomsen

13:30	**We B 09 - Three-parameter Radon Transform based on VTI Generalized Moveout Approximation -** M.M. Abedi[1]*, M.A. Riahi[1], A. Stovas[2] [1]University of Tehran, [2]Norwegian University of Science and Technology
13:55	**We B 10 - Occurrence of the Point Singularities in Orthorhombic Media -** Y. Ivanov[1]*, A. Stovas[1] [1]Norwegian University of Science and Technology
14:20	**We B 11 - Non Double-couple Components of Seismic Moments Caused by Seismic Anisotropy -** N. Boitz[1]*, S. Shapiro[1] [1]Freie Universitaet Berlin
14:45	**We B 12 - From Anisotropic Elastic Tensors to Seismic Data and Back: Extraction of Azimuthal Anisotropy Parameters from a Field Sc -** P. Tillotson[1]*, D. Davies[1], L. Wang[1], M. Ball[1], A. Toomey[1], E. L'heureux[1] [1]BP
15:10	Coffee break
15:30	**We B 13 - Resolving Orthorhombic Anisotropy with the Addition of P-S Conversions -** V. Kazei[1]*, T. Alkhalifah[1] [1]KAUST
15:55	**We B 14 - Anisotropic Wide Azimuth 3D Seismic Data for an Unconventional Shale Oil Project, Aguada Federal Block, Argentina -** D. Curia[1]*, P. Veeken[2], D. Justo[3], M. Alayon[3] [1]Wintershall Energia SA, [2]Wintershall Holding GmbH, [3]Seiscenter SA
16:20	**We B 15 - Quantitative Seismic Fracture Characterization Using Azimuthal Anisotropy from WAZ 3D: Case Studies from USA Onshore Ba -** L. Yan[1]*, B. Hart[1], J. Ochoa[1] [1]Statoil
16:45	**We B 16 - Frequency Dependent AVAZ Induced by a Single Fractured Thin Bed -** H. Liu[1]*, X. Li[2], S. Chen[1] [1]China University of Petroleum, [2]British Geological Survey

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ROOM C		ROOM D	
Multiple Attenuation and Manipulation / Imaging I A. Alhashem		**Exploration Play Prospects I** J. Ugolini; A. Wever	
08:30	**We C 01 - Detailed Surface Multiple Prediction Using Split-spread Broadband Seismic Marine Data in a Complex Sea Floor Environment -** A. Pica[1]*, R. Sablon[1], J. Deprey[1], S. Le Roy[1], R. Soubaras[1], M. Chambefort[1], G. Henin[1], V. Danielsen [2], E. Dhelie[2], J. Lie[2] [1]CGG, [2]Lundin	**08:30**	**We D 01 - Play Elements of the Chidley Basin, Offshore Newfoundland and Labrador Canada -** E. Le Guerroué[1]*, P. Jermannaud[1], P. Filleaudeau[1], G. Perez-Drago[1], P. Chenet[1], E. Gillis[2], V. Mitchell[2], N. Montevecchi[2], R. Wright[2] [1]Beicip-Franlab, [2]Nalcor Energy
08:55	**We C 02 - Imaging Free-surface Multiples Free of Noise: Fit-for-purpose Processing Methods and Application Examples -** C. Lapilli[1], J. Perdomo[1], C. Kostov[1]* [1]WesternGeco	**08:55**	**We D 02 - Cretaceous Fan Complexes of the Western Flemish Pass Basin Offshore Newfoundland and Labrador, Canada -** E. Gillis[1]*, D. McCallum[1], L. Stead[1] [1]Nalcor Energy Oil and Gas Inc
09:20	**We C 03 - Interbed Removal: New Approaches for Modeling and Data Processing -** P. Elison[1]*, J.O.A. Robertsson[1], D. van Manen[1] [1]ETH Zurich	**09:20**	**We D 03 - Frontier Exploration in the North Sea: Petroleum Systems on The East Shetland Platform -** J. Bagguley[1]*, M. Gall[1] [1]Oil And Gas Authority
09:45	**We C 04 - Using Models of Attenuation in the Prediction of Internal Multiples: Methodology and Synthetic Data Examples -** C. Kostov[1]*, J. Wu[1], Z.J. Wu[1], F. Xavier de Melo[1], M. Cavalca[1] [1]Schlumberger	**09:45**	**We D 04 - Paleozoic Carbonate Play in the Norwegian Barents Sea Shelf -** J. Ahokas[1]*, A. Hartwig[1], Ø. Kjøsnes[1], P.E. Øverli[1], S. Vassmyr[1], J.E. Skeie[1], J. Rinna[1], J.B. Kristensen[2] [1]Aker BP ASA, [2]University of Copenhagen
10:10	**Coffee break**	**10:10**	**Coffee break**
10:30	**We C 05 - Short Period Internal De-multiple Using Energy and Causality Constrained Bandlimited Marchenko Redatuming -** M. Dukalski[1]*, E. Mariani[2], K. de Vos[1] [1]Shell Global Solutions International B.V., [2]NIKHEF	**10:30**	**We D 05 - The Black Sea, a Tertiary Basin - Observations and Insights -** Maynard[1]*, D.E. Erratt[1] [1]ExxonMobil International Ltd
10:55	**We C 06 - Homogeneous Green's Function Retrieval on Field Data Using the Marchenko Method -** J. Brackenhoff[1]*, J. Thorbecke[1], K. Wapenaar[1] [1]Delft University of Technology	**10:55**	**We D 06 - Unlocking the Palaeozoic Hydrocarbon Potential in the Offshore Isle of Man -** D.J. Jones[1]* [1]British Geological Survey
11:20	**We C 07 - Least-squares Inversion for Imaging the Full Seismic Wavefield -** S. Lu[1]*, F. Liu[1], N. Chemingui[1], M. Orlovich[1] [1]Petroleum Geo-Services	**11:20**	**We D 07 - How Low Can You Go? - Exploring for Shallow Oil in the Barents Sea -** K.H. Dittmers[1]*, R. Davies[1], S. Mackie[1], J. Petersen[2], S. Buenz[3] [1]DEA Norge AS, [2]DEA Germany, [3]University of Tromso
11:45	**We C 08 - Efficient 3D Internal Multiple Attenuation in the Santos Basin -** R. Pereira[1]*, D. Mondini[1], D. Donno[1] [1]CGG	**11:45**	**We D 08 - Efficient Play Analysis and Straightforward Yet-to-Find** D. Quirk[1]*, M. Howe[2] [1]Manx Geological Survey/Manchester University, [2]Maersk Oil
12:10	**Lunch break**	**12:10**	**Lunch break**
Seismic Reservoir Characterization II - Seismic Quantitative Inerpretation B. Paternoster		**Microseismic Driven Fracturing And Interferometric Wavefields** F. Stanek; B. Khadhraoui	
13:30	**We C 09 - Structural Dip, Migration and Quantitative Interpretation -** E. Zabihi Naeini[1]* [1]Ikon Science Ltd	**13:30**	**We D 09 - Characterization of the Spatiotemporal Variation of Seismic Attenuation during Hydraulic Fracturing of a Shale Block -** I. Vera Rodriguez[1]*, S. Stanchits[1] [1]Schlumberger
13:55	**We C 10 - Make the Most of High Frequency Seismic Data in Onshore Reservoir Characterization: A Case Study from Uganda -** M. Giboli[1]*, A. Lafram[1], M. Beele[1], J. Ndugga[1] [1]Total SA	**13:55**	**We D 10 - Relation between Induced Microseismicity and Fracture Network in the Basel Geothermal Site -** M.J. Afshari[1]*, B. Valley [2], T. Tormann[1], S. Wiemer[1] [1]ETH Zürich, [2]University of Neuchâtel
14:20	**We C 11 - Determination of Reservoir Lithology from Seismic Data by a 2D Hidden Markov Random Field Model -** R. Feng[1]*, S.M. Luthi[1], D. Gisolf[1], A.W. Martinius[1] [1]Delft University Of Technology	**14:20**	**We D 11 - Fracture Characterization Based on an Acoustic Emission Experiment -** D. Xu[1]*, F. Zhang[1], X. Li[2], G. Zhang[1], Q. Lin[1] [1]China University of Petroleum, [2]British Geological Survey
14:45	**We C 12 - Color Rendering of Seismic Data – A UK North Sea Case Study Review -** A.O. Madsen[1]*, A. Laake[2], N. Cooke[1] [1]Maersk Oil, [2]Schlumberger	**14:45**	**We D 12 - General Dislocation Model Based Microseismic Focal Mechanism Inversion in Frequency Domain -** H. Li[1]*, X. Chang[1], Z.X. Yao[1], Y.B. Wang[1] [1]IGGCAS
15:10	**Coffee break**	**15:10**	**Coffee break**
15:30	**We C 13 - SNE Field, a Simple Approach to Seismic Reservoir Characterisation -** L. Bornatici[1]* [1]Cairn Energy Plc	**15:30**	**We D 13 - Marchenko Redatuming In A Dissipative Medium: Numerical And Experimental Implementation -** T. Cui[1,2]*, T.S. Becker[2], D.J. van Manen[2], J.E. Rickett[1], I. Vasconcelos[3] [1]Schlumberger Cambridge Research, [2]ETH Zurich, [3]Utrecht University
15:55	**We C 14 - Application of Multi-Attribute Analysis and Impedance Inversion Studies to Delineate Sands and Lithology Variations -** R. Agarwal[1]*, R. Chatterjee[1] [1]Indian Institute of Technology	**15:55**	**We D 14 - On Connections between Focusing Operators in the Time- and Depth-Imaging Domains and Implications for their Design -** Y. Sripanich[1]*, I. Vasconcelos[1] [1]Utrecht University
16:20	**We C 15 - Making Use of the Lithology Domain to Constrain Prestack Seismic Inversion to Lithology -** O. Skjeveland[1]* [1]Statoil ASA	**16:20**	**We D 15 - Estimating Overburden-Only Transmission Waveforms from Surface Reflection Data -** I. Vasconcelos[1]*, C. Reinicke Urruticoechea[2], J. Brackenhoff[2] [1]Utrecht University, [2]Delft University of Technology
16:45	**We C 16 - The Strong Effect of Compaction on Elastic Properties of Rocks, (An Example of a Poorly Consolidated Formation from Russ -** L. Uspenskaya[1]* [1]Wintershall	**16:45**	**We D 16 - Systematic Detection and Correction of Instrument-Related Time Shifts Using Seismic Interferometric Surface Waves -** J. De Laat[1,2]*, C. Weemstra[2,3], A. Verdel[4], P. Jousset[5], G. Páll Hersir[6], H. Blanck[6] [1]Utrecht University, [2]KNMI, [3]Delft University of Technology, [4]TNO, [5]GFZ, [6]ISOR

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ROOM E

Seismic Modelling I
F. Perrone; A. Goertz

08:30	**We E 01 - An Efficient Hybrid Absorbing Edge Reflections for Fractional Laplacian Viscoacoustic Wave Equation -** J.J. Zhang[1]*, H. Yang[1], Q. Li[1], L. Fu[1] [1]China University of Petroleum
08:55	**We E 02 - 3D Scalar Wave Equation Modelling with a New Temporal High-order Staggered-grid Finite-difference Method -** Z. Ren[1]*, Z. Li[1] [1]China University of Petroleum
09:20	**We E 03 - Radial Basis Function Collocation Method Based On Quasi-Uniformly Node Configuration for 2D Fractional Laplacian Wave Mo -** Y. Xu[1]*, J. Li[1], X. Chen[1], G. Pang[2], K. Guo[1] [1]China University of Petroleum, [2]Brown University
09:45	**We E 04 - Higher-order Dynamic Ray Tracing for Extrapolation of Traveltime and Geometrical Spreading -** E. Iversen[1]*, B. Ursin[2], M.V. de Hoop[3] [1]University of Bergen, [2]Norwegian University of Science and Technology, [3]Rice University
10:10	Coffee break
10:30	**We E 05 - Generalized Full Wavefield Modeling: Beyond Neumann -** H.I. Hammad[1]*, D.J. Verschuur[1] [1]Delft University of Technology
10:55	**We E 06 - High-order Accurate Solution of the TTI Eikonal Equation -** U. Waheed[1]* [1]King Fahd University of Petroleum and Minerals
11:20	**We E 07 - Unsplit Complex Frequency Shifted PML Implementation in Mess-free Discretization -** L. Tian[1]*, S.Z. Li[1], C.Y. Sun[1], P.P. Peng[1], Y. Qiu[1] [1]China University Of Petroleum
11:45	**We E 08 - A Highly Accurate Finite Difference Method with Minimum Dispersion Error for Helmholtz Equation -** Z. Wu[1]*, T. Alkhalifah[1] [1]KAUST
12:10	Lunch break

Seismic Signal Processing, Stacking and Move-Out Corrections
I. Jones; C. Strobbia

13:30	**We E 09 - A Holistic Approach to First Break Detection Using a Deep Convolutional Network and Global Optimization -** A. Merouane[1]*, N. Rey-Villamizar[1], Y. Hollander[1], O. Yilmaz[1] [1]Emerson Automation Solutions
13:55	**We E 10 - Automatic Statics and Residual Statics Correction with Low-rank Approximation -** A.M. Alfaraj[1]*, R. Kumar[1], F.J. Herrmann[2] [1]University of British Columbia, [2]Georgia Institute of Technology
14:20	**We E 11 - Surface-consistent Seismic Data Amplitude Correction Via Learning from Synthetic Models Based On Waveform Modeling -** S. Masaya[1]*, D. Verschuur[1] [1]Delft University of Technology
14:45	**We E 12 - Deep Neural Network and Multi-pattern Based Algorithm for Picking First-arrival Traveltimes -** M. Mezyk[1]*, M. Malinowski[1] [1]Polish Academy Of Sciences
15:10	Coffee break
15:30	**We E 13 - De-coupling Residual Statics and Velocity Picking -** A. Darwish[1]*, R.R. Haacke[1], G. Poole[1] [1]CGG
15:55	**We E 14 - A improved Chebyshev Optimal Matching Pursuit Algorithm for Dynamic Correction -** W. Wang[1]*, Y. An[1], Z. Li[1], K. Jiang[1], J. Li[1] [1]China University of Petroleum

ROOM F

Chemical EOR I
D. Morel; P. Chenet

08:30	**We F 01 - Theory and Application of DME Enhanced Waterflooding in Low Permeable Heterogeneous Reservoirs -** M. Mahdizadeh[1]*, A.A. Eftekhari[1], H. M. Nick[1] [1]Technical University of Denmark
08:55	**We F 02 - Surfactant Drive Process in Ultra-Tight Fractured Reservoirs for EOR -** D. Wang[1]*, J. Zhang[1] [1]University of North Dakota
09:20	**We F 03 - Experimental Investigation of Using SDBS and SiO2 Nanoparticle as a Novel Chemical EOR Process in a Micromodel System -** M. Sedaghat[1]*, A. Azdarpour[1], M. Sadr Nafisi[1], A. Esfandiarian[1] [1]Islamic Azad University
09:45	**We F 04 - Enhanced Flooding Performance by Combination of TiO2 Nanoparticles and Alkaline/Surfactant Agents in a Glass Micromodel -** M.R. Aghajanzadeh[2], T. Karami[1]*, M. Riazi[1], M.R. Malayeri[1] [1]Shiraz University, [2]Amirkabir University of Technology
10:10	Coffee break
10:30	**We F 05 - Visualization Experimental Study on Polymer Enhanced Nitrogen Foam Flooding in Porous Media -** D. Panahpoori[1]*, B. Dehdari[1], M. Riazi[1], R. Parsaei[1] [1]Shiraz University
10:55	**We F 06 - Characterization of Enhanced Oil Bank Build Up through Relative Permeability Analysis -** F. Al Saadi[1], M. Wijsman[2]*, K. Wolf[2], C. van Kruijsdijk[1] [1]Shell Global Solutions International B.V, [2]Delft University of Technology
11:20	**We F 07 - A Study of Multi-Component Ion Exchange by Ammonium Ion during Low Salinity Waterflooding in Sandstone Formation -** F. Srisuriyachai[1]*, Y. Vathanapanich [1] [1]Chulalongkorn University
11:45	**We F 08 - Comparison Wettability Alteration of Different Rock Types, Using Nanofluid -** A. Naghizadeh[1], R. Azin[1]*, S. Osfouri[1], R. Fatehi[1] [1]Persian Gulf University
12:10	Lunch break

Seismic Attenuation - Theory And Practice I
A. Best

13:30	**We F 09 - The Composite Azimuthal Effect of Intrinsic and Scattering Attenuation on 3D Seismic Data -** D. Shi[1]*, B. Milkereit[1] [1]University of Toronto
13:55	**We F 10 - Fitting Observed Seismic Attenuation Curves with the General Fractional Zener Model -** X. Liu[1]*, S. Greenhalgh[1] [1]King Fahd University of Petroleum & Minerals
14:20	**We F 11 - Viscoelastic Impedance Recovery Algorithm in Frequency Domain by ITV Regularization -** Y.J. Hao[1]*, H.D. Huang[1], B.H. Zhu[1], Z.Y. Zhou[1], J.W. Zhang[1] [1]China University of Petroleum
14:45	**We F 12 - A Match-filter Approach for Q Estimation and Compensation after Depth Migration -** M. Cavalca[1]*, R.P. Fletcher[1] [1]Schlumberger
15:10	Coffee break
15:30	**We F 13 - A Fast Sweeping Scheme for P-wave Traveltimes in Attenuating VTI Media -** Q. Hao[1], U. Waheed[2]*, T. Alkhalifah[1] [1]King Abdullah University of Science and Technology, [2]King Fahd University Of Petroleum And Minerals
15:55	**We F 14 - Accurate and Efficient Absorption Compensation Pre-imaging -** P. Kristiansen[1]*, K. Abdelaziz[1], E. Saragoussi[1], S.O. Zaman[1], O. Zdraveva[1], Q. Li[2], S. Chakraborty[2] [1]Schlumberger, [2]BP
16:20	**We F 15 - Deriving a Heterogeneous Q Model in Depth Domain Using Seismic Reflection Data and Image Ray: An Example from Daqing Oil -** H. Zhang[1]*, W. Liu[1], L. Liu[1], J. Zhang[1] [1]Institute of Geology and Geophysics, CAS
16:45	**We F 16 - Q Tomography and Q-PSDM in Marine Data with Low-velocity Anomaly: A Case Study in Rakhine, Myanmar -** Z.Q. Wang[1]*, L.S. Li[1], X.J. Zhuang[1], Y.M. Ye[1], J.L. Zhang[1], R.T. Gao[2] [1]PetroChina, [2]Schlumberger

Note: technical programme version - 15 April 2018.

Oral presentations Wednesday 13 June

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

ROOM G

Geochemistry and Geochronology
T. Adedosu

08:30 **We G 01 - Unayzah Group in Western Central Saudi Arabia: Utilization of a Chemostratigraphic Analysis -** M. Soua[1]*, K. Macpherson[1], J. Estevez[1]
[1]Saudi Aramco

08:55 **We G 02 - Application of an Advanced Method for Pyritic and Organic Sulphur Quantification to Organic Rich Marine Sediments -** A. Aboussou[1]*, V. Lamoureux-Var [1], T. Wagner[2], D. Pillot[1], I. Kowalewski[1], C. März[3], B. Garcia[1], B. Doligez[1]
[1]IFP Energies Nouvelles, [2]Heriot-Watt University, [3]University of Leeds

09:20 **We G 03 - Geochemical Characteristics of the Crude Oil of Melut Basin and its Implications for Hydrocarbon Migration and Accumulat -** J. Bai[1]*, Z. Shi[1], L. Xue[1]
[1]PetroChina

10:10 Coffee break

Naturally Fractured Reservoirs
R. Plateaux

10:30 **We G 05 - Modelling Deformation and Stress to Assess Reservoir Potential in Fractured Carbonates: Cesar Rancheria Basin, Colombia -** F. Marks[1]*, M. Valcarcel[1], E. Macaulay[1], D. Ramos[2], A. Garcia[2], A. Buitrago[2], J. Mesa[2]
[1]Midland Valley Exploration Ltd, [2]Drummond Ltd

10:55 **We G 06 - Modelling Two-Phase Fluid Flow in a Natural Fracture in Chalk Under Different Stress -** A.Y. Rozhko[1]*, M. Naumann[1], O.P. Wennberg[1], S. Jonoud[1]
[1]Statoil ASA

11:20 **We G 07 - Fracture Patterns and Controlling Factors of Cretaceous Tight Sandstones - Outcrop Analogues and LIDAR Applications -** Q.L. Zeng[1]*, J.L. Zhao[1], L.B. Wang[1]
[1]PetroChina

11:45 **We G 08 - Percolation Properties of Stochastic Fracture Networks in 2D and Outcrop Fracture Maps -** W. Zhu[1]*, S. Khirevich[1], T. Patzek[1]
[1]King Abdullah University of Science and Technology

12:10 Lunch break

Reservoir Quality Modelling - Applied Studies and Case Histories (Dedicated Session)
C.J. Lowrey; S. Henares Ladron de Guevara

13:30 **We G 09 - Reservoir Quality Modelling in Deeply-Buried Permian Rotliegendes Sandstones, N-Germany: Impact of Illite Textures -** B. Busch[1]*, C. Hilgers[1], D. Adelmann[2]
[1]Karlsruhe Institute Of Technology, [2]Wintershall Holding GmbH

13:55 **We G 10 - From Routine to Integrated Core Analysis: Setting Up the Database for Reservoir Quality Modelling -** S. Henares Ladron de Guevara[1], G.J. Weltje[1]*, M.E. Donselaar[2], M. Bloemsma[3], R. Tjallingii[4], B. De Wijn[5]
[1]KU Leuven, [2]TU Delft, [3]Tata Steel Europe, [4]GFZ Potsdam, [5]Wintershall Noordzee BV

14:20 **We G 11 - Rock Property Prediction Using Process-Oriented Models and Digital Sedimentary Petrology Models -** R. Lander[1]*, L. Bonnell[1]
[1]Geocosm

14:45 **We G 12 - Rembrandt and Vermeer Oil Fields, Dutch Offshore Block F17-The Impact of Grains on Maastrichtian Chalk Reservoir Quality -** H. van Lochem[1]*, M. Beller[1]
[1]Wintershall Noordzee BV

15:10 Coffee break

Diagenesis in Clastic Reservoirs
M. Donselaar; S. Henares Ladron de Guevara

15:30 **We G 13 - Developing an Exploration Strategy for Upper Carboniferous Tight Gas Sandstone Reservoirs -** I. Becker[1]*, P. Wüstefeld[2], B. Koehrer[3], B. Busch[1], C. Hilgers[1]
[1]Karlsruhe Institute of Technology, [2]KIT Campus Transfer GmbH, [3]Wintershall Holding GmbH

15:55 **We G 14 - Geothermal Reservoir Quality of the Middle Jurassic Haldager Sand Formation in Denmark -** M. Olivarius[1]*, R. Weibel[1], L. Kristensen[1], A. Mathiesen[1], H. Vosgerau[1], L.H. Nielsen[1]
[1]Geological Survey of Denmark and Greenland

16:20 **We G 15 - Effects and Quantitative Express of Sedimentation and Diagenesis on Intergranlar-Secondary Dissolution Pores Glutenite R -** Guo[1]*, L. Huang[1], G. Wang[1], Y. Huang[1]
[1]PetroChina

16:45 **We G 16 - Characteristics and Origin of Conglomerate Diagenetic Traps in the Junggar Basin -** W. Guodong[1]*, P. Jianguo[1], Q. Wen[1], Q. Yongqiang[1]
[1]PetroChina

ROOM H

CO2 Capture, Storage and Utilization
Y. Zhou; B. Dupuy

08:30 **We H 01 - Mineralogy Control on CO2 Accessibility on Micropores of Shales for CCUS Application -** N. Joewondo[1]*, M. Prasad[1]
[1]Colorado School of Mines

08:55 **We H 02 - CO2 Injection Induced Microseismicity around Well KB-502 in Salah and Insights from Reservoir History Matching -** J. Shi[1]*, S. Durucan[1], A. Korre[1]
[1]Imperial College London

09:20 **We H 03 - Effects of Clay Swelling or Shrinkage on Shale Caprock Integrity -** R. van Noort[1]*
[1]Institutt for Energiteknikk

09:45 **We H 04 - CO2 Foam Field Pilot Test for EOR and CO2 Storage in a Heterogeneous Carbonate Reservoir: Operational Design, Data Colle -** Z.P. Alcorn[1]*, M. Sharma[2], S.B. Fredriksen[1], A.U. Rognmo[1], M. Fernø[1], A. Graue[1]
[1]University of Bergen, [2]The National IOR Centre of Norway, University of Stavanger

10:10 Coffee break

10:30 **We H 05 - Structural Control on Dissolution Arrays in Limestone Reservoir Forced by Radial CO2 Saturated Solution Injection: Exper -** V. Pryvalov[1]*, A. Randi[1], J. Sterpenich[1], J. Pironon[1], C. Morlot[1]
[1]GeoRessources - CNRS - Université de Lorraine

10:55 **We H 06 - Using Petrography and Provenance Data to Assess the CO2 Trapping Potential in Sloping Sandstones in the Skagerrak Strait -** M. Olivarius[1]*, A. Sundal[2], U. Gregersen[1], T.B. Thomsen[1], R. Weibel[1], L.H. Nielsen[1]
[1]Geological Survey of Denmark and Greenland, [2]University of Oslo

11:20 **We H 07 - Experimental Investigation of the Onset of Convection During CO2- N2 Mixture Dissolution in Brine -** S. Mahmoodpour[1], B. Rostami[1], Y. Khoshkalam[1]*
[1]University of Tehran

11:45 **We H 08 - Rock Physics Driven Workflow for Pressure and Saturation Control in Quantitative CO2 Monitoring -** W. Weinzierl[1]*, S. Lüth[1], D. Rippe[1], C. Schmidt-Hattenberger[1], B. Wiese[1]
[1]German Research Centre for Geosciences

12:10 Lunch break

Petroleum Systems in Sub-Saharan Africa (Dedicated Session)
J. Wendebourg; J. Biteau

13:30 **We H 09 - Structural & Stratigraphic Evolution of the Rio Del Rey Basin (Cameroon) - Field Development & New Exploration Potential -** M. Watkinson[2]*, M. Enfield[1], C. Tucker[1]
[1]EPI Geoscience, [2]University of Plymouth

13:55 **We H 10 - Reservoir Prediction in Offshore Clinoform Sequences, Guinea-Bissau -** E. Jarvis[1]*, R. Noble[1], S. Etches[2], V. Freeman[2]
[1]CGG, [2]Svenska Petroleum Exploration AB

14:20 **We H 11 - Quick 3D Restoration via Conformal Maps - A Study on the Reconstruction of Turbiditic Fairways in the West African Margin -** S. Frambati[1]*, M. Lahmi[1], F. Despinois[1], R. Martin[1], R. Parthiot[2]
[1]Total SA, [2]UniLaSalle

14:45 **We H 12 - Sedimentary Differences between the Eastern and Western Deep-Water Fan of Niger Delta Basin and Its Significance -** L. Cai[1]*, G. Guo[1], Y. Rao[1], S. Dong[1]
[1]CNOOC Research Institute

15:10 Coffee break

15:30 **We H 13 - From Sedimentological Concept to 3D Reservoir Models. Case Studies from Offshore Mozambique -** F. Contreras[1]*, P. Scaglioni[1], A. Luciani[1], D. Bendias[2]
[1]Eni, [2]Geo-Rocks

15:55 **We H 14 - Optimizing Asset Value - Integrating Geology with Time Processing, Offshore Conakry, Guinea, North West Africa -** C. Abu[1]*, C. Tyagi[1], D. Rose[1], D. Powis[1], S. Tewari[1], D. Webb[1], D. Barlass[1], D. Kornpihl[1], S. Youesf Ben Sahal[2]
[1]Schlumberger, [2]Previously Schlumberger

Note: technical programme version - 15 April 2018.

Oral presentations Wednesday 13 June

ROOM I		ROOM J	
Integrated Asset Development (SPE) R. Saxena; T. Manai		**Decision Risk Analysis and Managing Uncertainty (SPE)** C. Coll; H. Jutila	
08:30	**We I 01 - Efficient Formation Testing and Data Interpretation Using Advanced Probes and In-Situ Fluid Property Evaluation (SPE-190800-MS) -** S. Frank[1]* [1]Maersk Oil Angola	08:30	**We J 01 - Maximizing Value of Information of a Horizontal Polymer Pilot Under Uncertainty (SPE-190871-MS) -** T. Clemens[1], K. Osivandi[1], D. Steineder[1]* [1]OMV Exploration & Production GmbH
08:55	**We I 02 - Harrier Development - Successful Implementation of the World's First Offshore Multilateral Installation with Staged Acid Fracturing Performed on Both Laterals (SPE-190820-MS) -** N. Mark[1]* [1]Schlumberger	08:55	**We J 02 - Reservoir and Economic Uncertainties Assessment for Recovery Strategy Selection - Use of Stochastic Decision Trees (SPE-190858-MS) -** P. Vincent[1]* [1]ENGIE E&P International
09:20	**We I 03 - A Well Placement Optimization Constrained to Regional Pressure Balance (SPE-190788-MS) -** M. Ismael[1]* [1]Saudi Aramco	09:20	**We J 03 - Exploration for Disorder (SPE-190826-MS) -** G. Morrison[1]* [1]Independent, MSPE
09:45	**We I 04 - Optimising Flow Assurance Strategies in an Offshore Sandstone Oil Field with Gas Hydrate Issues (SPE-190774-MS) -** B. Daramola[1]* [1]Propellio Limited	09:45	**We J 04 - Flow Diagnostics for Naturally Fractured Reservoirs (SPE-190877-MS) -** V. Spooner[1]* [1]Heriot-Watt University
10:10	**Coffee break**	10:10	**Coffee break**
		10:30	**We J 05 - Offshore Exploratory Drilling Campaigns During Oil Price Downturns: Maximizing Value Creation from Flexibility (SPE-190810-MS) -** C. Cardenas[1]* [1]University of Stavanger
10:55	**We I 06 - A New Method for Economic Prediction of Carbonate Reservoirs Based on Expert Library and Small Database (SPE-190868-MS) -** W. Chen[1]* [1]CUPB	10:55	**We J 06 - Model Selection for Error Generalisation in History Matching (SPE-190778-MS) -** B. Nezhad Karim Nobakht[1]* [1]Heriot-Watt University
		11:20	**We J 07 - Status of Data-Driven Methods and Their Applications in Oil and Gas Industry (SPE-190812-MS) -** K. Balaji[1]* [1]University of North Dakota
11:45	**We I 08 - Application of Bespoke Well Completion Architecture and Integrated Surveillance in The Development and Production of a High Saline Gas Field - UK North Sea (SPE-190834-MS) -** G. Otaru[1]* [1]Engie E&P UK Limited	11:45	**We J 08 - A Classification-Based Approach for Global Sensitivity Analysis of Reservoir Models Considering Geological Uncertainty (SPE-190777-MS) -** A. Karami Moghadam[1,2]* [1]Computer Modelling Group Ltd, [2]University of Calgary
12:10	**Lunch break**	12:10	**Lunch break**
Unconventional Resources III (SPE) D.F. Verga; M. Brignoli		**EOR/IOR Strategies and Recovery Optimisation I (SPE)** T. Manai; T. Schaaf	
13:30	**We I 09 - Pressure-Transient Behavior of Double Porosity Reservoirs with Transient Interporosity Transfer with Fractal Matrix Blocks (SPE-190841-MS) -** A. Valdes Perez[1]* [1]Texas A&M University	13:30	**We J 09 - Molar Distributions of Equilibrium Systems (SPE-190797-MS) -** F. Alqahtani[1]* [1]NTNU
13:55	**We I 10 - Testing and Improvement of Well Layout Optimisation Methods for Geothermal Reservoir Production (SPE-190842-MS) -** M. Lu[1]* [1]Imperial College London	13:55	**We J 10 - The Modeling of the Viscous Drive in Oil-Wet Naturally Fractured Reservoirs (SPE-190837-MS) -** R. Romero[1]* [1]Wintershall Holding GmbH
14:20	**We I 11 - Highlights of the TAMEST Task Force Report on Environmental and Community Impacts of Shale Development in Texas (SPE-190808-MS) -** C. Ehlig-Economides[1]* [1]University of Houston	14:20	**We J 11 - Wettability Estimation by Oil Adsorption Using Quartz Crystal Microbalance with Dissipation (QCM-D) (SPE-190882-MS) -** S. Erzuah[1]* [1]University of Stavanger
14:45	**We I 12 - Production Data Analysis Using Type Curves in Tight Gas Condensate Reservoirs - Impact Of Pressure-Dependent Permeability (SPE-190832-MS) -** C. Johnson[1], M. Jamiolahmady[1]* [1]Heriot-Watt University	14:45	**We J 12 - Sulphate in Original Reservoir Chalk Rocks: Release of Sulphate by Desulphated Sea Water and Effects on Wettability (SPE-190844-MS) -** I. Fjelde[1]* [1]IRIS
15:10	**Coffee break**	15:10	**Coffee break**
15:30	**We I 13 - Combining Multiple Fracturing Diagnostic Tests is an Effective Substitute for Production Logs in Unconventional Horizontal Wells (SPE-190792-MS) -** E. Crawford[1]* [1]Saudi Aramco	15:30	**We J 13 - A New Approach to Polymer Flooding - Impact of the Early Polymer Injection and Wettability on Ultimate Oil Recovery (SPE-190817-MS) -** H. Bertin[1]* [1]Univerity of Bordeaux
15:55	**We I 14 - CO2-Stripping of Kerogen Condensates in Source Rocks (SPE-190821-MS) -** I.Y. Akkutlu[1], S. Baek[1]* [1]Texas A&M University	15:55	**We J 14 - Visualization of Heavy Oil Mobilization by Associative Polymer (SPE-190770-MS) -** T. Skauge[1]* [1]Uni Research CIPR
16:20	**We I 15 - Kerogen Maturation Effects On Pore Morphology And Enhanced Shale Oil Recovery (SPE-190818-MS) -** I.Y. Akkutlu[1]* [1]Texas A&M University	16:20	**We J 15 - Propagation to Reservoir Simulation of Uncertainty Associated with Three-Phase Relative Permeability Models with Hysteresis (SPE-190825-MS) -** E. Ranaee[1]* [1]Politecnico di Milano
16:45	**We I 16 - A Comparison of Clean-up Efficiency of Multiple Fractured Horizontal Wells and Hydraulically Fractured Vertical Wells in Tight Gas Reservoirs (SPE-190862-MS) -** H.R. Nasriani[1]* [1]University of Central Lancashire	16:45	**We J 16 - Tertiary Low Salinity Waterflooding (LSWF) in Sandstone Reservoirs: Mechanisms, Synergies and Potentials in EOR Applications (SPE-190807-MS) -** A. Rock[1]* [1]Clausthal University of Technology

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

ROOM K

Near Surface - High Resolution Seismic and Surface Waves
B. Piwakowski; A. Malehmir

08:30	**We K 01 - Joint-Inversion of Borehole Tomographic Data -** J.K. von Ketelhodt[1]*, M.S.D. Manzi[1], R.J. Durrheim[1], T. Fechner[1] [1]University of the Witwatersrand, [2]Geotomographie GmbH
08:55	**We K 02 - Joint Inversion of Refracted P-waves, Surface Waves and Reflectivity -** T. Bardainne[1]* [1]CGG
09:20	**We K 03 - Towards Super-resolution Surface Wave Tomography Using Interferometry -** C. Berron[1]*, T. Bardainne[1] [1]CGG
09:45	**We K 04 - Estimating 3D S-wave Velocities from 9C Shallow Seismic Data Using Local Rayleigh Wave Dispersion Curves – A Field Study -** Y. Pan[1]*, S. Schaneng[1], T. Steinweg[1], T. Bohlen[1] [1]Karlsruhe Institute of Technology
10:10	**Coffee break**

Near Surface - Shallow Marine Geophysics
A. Malehmir; B. Piwakowski

10:30	**We K 05 - Detailed Structure of Buried Glacial Landforms Revealed by High-resolution 3D Seismic Data in the SW Barents Sea -** B. Bellwald[1]*, S. Planke[1,2], S. Polteau[1], N. Lebedeva-Ivanova[1], A. Hafeez[1], J.I. Faleide[2], R. Myklebust[3] [1]Volcanic Basin Petroleum Research AS, [2]University of Oslo, [3]TGS
10:55	**We K 06 - High-resolution Low-cost 3D and 4D Seismic Surveys for Deepwater Fields -** P. Hatchell[1]*, S. Bakku[1], Z. Yang[1], J. Lopez[1], B. Nolan[1], K. Wang[2], V. Gee[2], J. Mestayer[2], K. King[2], L. Scott[2], E. Majzlik[3], J. Gayton[3], Y. Chang[4], A. Shen[4], S. Smith[4] [1]Shell International Exploration and Production Inc., [2]Shell Exploration and Production Company, [3]NCS SubSea, [4]Down Under GeoSolutions
11:20	**We K 07 - Next Generation Shallow Water Resolution: Primary Wave Imaging and High Frequency Visco-acoustic Full-waveform Inversion -** J. McLeman[1]*, B. Xiao[1], C. Page[1], F. Jouno[1], N. Salaun[1], A. Roubaud[1], F. Perrone[1] [1]CGG
11:45	**We K 08 - Velocity Model Building with Guided Wave Inversion -** S. Hou[1]*, R. Haacke[1], A. Corbett[1], M. Wanczuk[1] [1]CGG
12:10	**Lunch break**

Hydro-Thermal-Mechanical Modelling In Tight Formations (Dedicated Session)
S. Salimzadeh; H. Nick

13:30	**We K 09 - Micro-Mechanics of Hydro-Thermo-Mechanical Hydraulic Fracture Initiation and Propagation -** I. Tomac[1]*, M. Gutierrez[2] [1]University of California, [2]Colorado School of Mines
13:55	**We K 10 - Laboratory Fracking Experiments for Verifying Numerical Simulation Codes -** P. Deb[1]*, D. Vogler[2], S. Düber[1], P. Siebert[1], S. Reiche [1], C. Clauser[1], R.R. Settgast[3], K. Willbrand[1] [1]RWTH Aachen University, [2]ETH Zurich , [3]Lawrence Livermore National Laboratory
14:20	**We K 11 - Coupled Modeling of Complex Fracture Networks Induced during Hydraulic Fracturing Treatments -** A. Dahi Taleghani[1]*, H. Yu[1,2] [1]The Pennsylvania State University, [2]Southwest Petroleum University
14:45	**We K 12 - Chemical-Mechanical Feedback and Fracture Size and Spacing Patterns -** S.E. Laubach*[1], J. Olson[1], R. Lander[2] [1]The University of Texas at Austin, [2]Geocosm
15:10	**Coffee break**
15:30	**We K 13 - Coupling an Industrial Reservoir Simulator and a Geomechanical Software Using Unstructured Grids, Poromechanical Element -** P. Samier[1]* [1]Total SA
15:55	**We K 14 - Radial Jet Drilling (RJD) Laterals in Fractured Geothermal Reservoirs -** M. Grandahl[1], M. Medetbekova[1], S. Salimzadeh[1]*, H. M. Nick[1] [1]Danish Hydrocarbon Research and Technology Centre
16:20	**We K 15 - Analysis of the Fracturing Sequence Effect on the Multi-Fracture Propagation in the Horizontal Well of the Tight Sandsto -** J. Zhong[1]*, H. Zheng[2] [1]University of Toronto, [2]China University of Petroleum

ROOM L

Unconventional Reservoirs
A. Kamp; M. Kotenev

08:30	**We L 01 - Pore Characterization of Cambay Shale Using Low-pressure Gas Adsorption and MIP Analysis -** A. Tripathy[1]*, V. Srinivasan[1], T. Singh[1] [1]Indian Institute Of Technology
08:55	**We L 02 - Effect of Gas Hydrate Cementation Mode on Acoustic and Electrical Properties of Natural Gas Hydrate Reservoirs Based On -** J. Sun[1]*, H. Dong[1], F. Sun[1], X. Zeng[1] [1]China University of Petroleum
09:20	**We L 03 - Seismic-based De-risking of Unconventional Plays by Integrating Rock Physics, Inversion, Geopressure, and Geomechanics -** S. Green[1]*, M. Rauch-Davies[2], J. Meyer[1], S. Smith[2], B. Smicker[2] [1]Ikon Science, [2]Devon Energy
09:45	**We L 04 - A Novel Pulse Sequence and Inversion Algorithm of Three-dimensional NMR for Unconventional Reservoirs -** J. Liu[1]*, Y. Fan[1], X. Ge[1], F. Wu[2] [1]China University Of Petroleum, [2]Niumag Corporation Ltd.
10:10	**Coffee break**
10:30	**We L 05 - The Development of a Quantitative Interpretation Workflow for Shale Reservoirs -** P. Wild[1]*, L. Vernik[2] [1]Ikon Science Limited, [2]University of Houston
10:55	**We L 06 - Numerical Modelling of Underground Methane Leakage from the Shale Gas Reservoirs -** R. Rafati[1]*, A. Golparvar[1] [1]University Of Aberdeen
11:20	**We L 07 - Analysis of Horizontal Well CSS Heating Range Considering Flow Rate Variation and Friction Loss -** Y. Luo[1]* [1]RIPED
12:10	**Lunch break**

Fluid Characterization Activiation
A. Jahanbani Ghahfarokhi

13:30	**We L 09 - Effect of Low Salinity Water Flooding on Reservoir Fluid's Properties through Diffusion of Crude Oil's Polar Components -** R. Mokhtari[1]* [1]Shiraz University
13:55	**We L 10 - Modelling of Dynamics of Static Bulk Foam Drainage Induced by non-Newtonian Viscosity Enhancement -** S.M. Hosseini-Nasab[2]*, M. Taal[1], M. Sharifi[1] [1]Amirkabir University of Technology, [2]Fluor
14:20	**We L 11 - Investigation of Formulated Novel Oil in Water Emulsion Drilling Mud System for Unconventional Formations -** T. Kumar[1]*, S. Kumar[2] [1]University Of Petroleum & Energy Studies, [2]DIT University
14:45	**We L 12 - Prediction Model of Transition Between Oil-Water Two-Phase Stratified and Annular Flows in Horizontal and Inclined Pipes -** Z. Shang[1]*, Y. Pan[2], Y. Ling[1], G. Huang[1] [1]Hohai University, [2]Shaoxing University
15:10	**Coffee break**
15:30	**We L 13 - Quantifying the Possible Risks of Asphaltene Precipitation during Different Gas-Based EOR Scenarios (CO2, N2, And CH4 In -** M. Masoudi[1], S. Kord[1]*, R. Miri[2] [1]Petroleum University of Technology, [2]University of Oslo
15:55	**We L 14 - Dynamic Modeling and Numerical Simulation of Gas Lift Performance in Deviated Oil Well Using the Two-Fluid Model -** M. Vasheghani Farahani[1]*, Y. Jahanpeyma[1], V. Taghikhani[1] [1]Sharif University Of Technology
16:20	**We L 15 - The Effect of Asphaltene Precipitation in Porous Media on the Relative Permeability Using FTIR Spectroscopy -** J. Taheri-Shakib[1], M. Rajabi-Kochi[2]*, S.A. Hosseini[5], H. Naderi[1], Y. Salimidelshad[1] [1]Research Institute of Petroleum Industry, [2]Amirkabir University of Technology, [3]Politecnico di Torino
16:45	**We L 16 - Water Saturation Modeling Using Modified J-Function Constrained by Rock Typing Method in Bioclastic Limestone -** Y. Deng[1]*, R. Guo[1], L. Zhao[1], J. Chen[2], Z. Tian[1] [1]PetroChina Research Institute of Petroleum Exploration & Development, [2]China National Oil and Gas Exploration and Development Corporation

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ROOM P

Geothermal Solutions II

13:30	**We P 09 - Three-Dimensional Inversion and Interpretation of Multimodal Geophysical Data in Yamagawa Geothermal Field, Japan -** M. Endo[1]*, M. Zhdanov[1], A. Gribenko[1], D. Sunwall[1], T. Miura[2], H. Mochinaga[2], N. Aoki[2], T. Mouri[3] [1]TechnoImaging LLC, [2]JGI, [3]Japan Oil, Gas and Metals National Corporation
13:55	**We P 10 - Identification and Characterization of Dinantian as a Potential Geothermal Reservoir in the Roer Valley Graben by Integr -** P. van Heiningen[1]*, N. Kaymakci[1], V. van Hoegaerden[2], T.J. Moser[3] [1]Provenance Exploration Consultancy BV, [2]EnerGeophy, [3]Moser Geophysical Services
14:20	**We P 11 - Increasing the Application of Geothermal Energy in the Greenhouse Sector; A Case Study From The Netherlands -** E. Hollebeek[1]*, N. Buik[1], M. van Dijk[1] [1]IF Technology
14:45	**We P 12 - Geothermal Resources and Energy Storage in Northern Bavaria, Germany -** C. Kunkel[1]*, T. Agemar[1] [1]Leibniz Institute for Applied Geophysics
15:30	**We P 13 - Geothermal Energy – A Way Forward to Meet India's Growing Energy Needs -** S.K. Sharma[1]* [1]Carman Residential and Day School
15:55	**We P 14 - Interdisciplinary Investigation Of A Low Enthalpy Geothermal Carbonate Reservoir -** H. von Hartmann[1]*, H. Buness[1], B. Wawerzinek[1], J. Ziesch[1], E. Meneses Riosecco[1], R. Thomas[1] [1]Leibniz Institute For Applied Geophysics
16:20	**We P 15 - Dinantian Carbonates Are Hot! -** B. Jaarsma[1]*, N. Heijnen[1], H. Veldkamp[2], Y. Schavemaker[2] [1]EBN B.V., [2]TNO
16:45	**We P 16 - Weak Zones Delineation Using Single Component Electromagnetics and Seismicity Methods in Geothermal Interest Area -** K. Gardo Bangkit Ekaristi[1], A. Aries Furkhan[1]*, A. Adipta[1] [1]UNPVJ



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e-Posters presentations Wednesday 13 June

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E-POSTERS 1

E-POSTERS 2

Poster: Electromagnetic Methods A
F. Roth; Z. Du

08:30	**We P2 01 - Evaluation of Fractured Carbonate Reservoirs and Igneous Reservoirs by Borehole-To-Surface Electromagnetic Method -** X. Liu[1]*, Y. Shi[1], G. Zhao[1], H. Zhang[1], Y. Cao[1] [1]BGP, CNPC
08:55	**We P2 02 - The Effect of Rock Permeability and Porosity on Seismoelectric Conversion -** R. Peng[1,2]*, P. Glover[2], B. Di[1], J. Wei[1], P. Lorinczi[2], P. Ding[1], Z. Liu[1] [1]China University of Petroleum, [2]University of Leeds
09:20	**We P2 03 - Integrated Interpretation of Magnetotelluric Data for Geothermal Exploration: A Case Study from Western Turkey -** F. Ceci[1]* [1]WesternGeco
09:45	**We P2 04 - Surface-To-Borehole Tfem Data Acquisition System Development and Field Test -** G. Yu[1]*, Z.X. He[1], Z.G. Wang[1], L. Zhang[1] [1]BGP Inc.
10:10	**Coffee break**
10:30	**We P2 05 - Three Dimensional Magnetotelluric Modelling Using Vector Finite Element Method and Tree-Cotree Splitting -** P. Domnikov[1]* [1]Novosibirsk State Technical University
10:55	**We P2 06 - 3D Gauss-Newton Inversion of CSEM Data with Grid Shaking -** E. Causse[1]*, K. Rymann Hansen[2], A. Kornberg Bjørke[2] [1]Statoil Research Center, [2]EMGS
11:20	**We P2 07 - A Hybrid Finite Difference Finite Element Approach for 3D Magnetotelluric Forward Modeling -** D. Varilsuha[1]* [1]Ankara University
11:45	**We P2 08 - A Finite-Element Based Algorithm for 3d Magnetotelluric Inversion Using Unstructured Meshes for Complex Geological Setti -** S.M. Ansari*, J. Craven[1], E. Schetselaar[1], C. Farquharson[2] [1]Geological Survey of Canada, [2]Memorial University of Newfoundland
12:10	**Lunch break**

Poster: Reservoir Management and Field Development A
N. Lindeloff

13:30	**We P1 09 - Closed-loop Field Development Optimization with Well Type Conversion -** J. Kim[1]*, B. Kang[1], H. Jung[1], J. Choe[1] [1]Seoul National University
13:55	**We P1 10 - Modeling Multi-Fractured Horizontal Completions; A Case History -** R. Shelley[1]*, B. Davidson[1], K. Shah[1] [1]StrataGen
14:20	**We P1 11 - Recovery Rate Sensitivity Analysis for Fractured Carbonate Rocks -** N. Andrianov[1]*, H. M. Nick[1] [1]Technical University Of Denmark
14:45	**We P1 12 - Overcoming Drilling Risks and Uncertainties in Biogenic Gas Field Development: Case Study from XYZ Field, Indonesia -** R. Muammar[1], Z. Firdaus[1]*, R. Pardede[1], A. Jati[1] [1]SKK Migas
15:10	**Coffee break**
15:30	**We P1 13 - Enhanced Gas Recovery from Resurrecting a "Dead" Well: A South African Case Study -** J. Feddersen[1]*, A. Enslin[1] [1]PetroSA
15:55	**We P1 14 - A New Analytical Approach for Water Allocation Management by Determining Inter-well Connectivity: North Sea Case Study -** Y. Rafiei[1]*, F. Nazari[2], D. Davies[3], S. Todman[4] [1]Amirkabir University Of Technology, [2]Iran University of Science and Technology, [3]Heriot-Watt University, [4]Petroleum Experts
16:20	**We P1 15 - Multi-Level Decision Making in the Field Development Optimization -** A. Bagherinezhad[1]*, M. Ahmadi[2], K. Afsari[3] [1]Dana Energy, [2]Amir Kabir University of Technology, [3]Pars Oil and Gas Company
16:45	**We P1 16 - Baffle Characterization and Its Significance towards Development for a Heterogeneous Carbonate Reservoir in Middle East -** C. Wei[1]*, S. Liu[1], B. Li[1] [1]PetroChina

Poster: Multi-component Seismic Acquisition, Processing and interpretation A
C. Bagaini; M. Vanic

13:30	**We P2 09 - Poynting Vector Based Scalar Imaging Condition of Elastic Reverse Time Migration -** X. Zhou[1]*, X. Chang[1], Y. Wang[1], Z. Yao[1] [1]IGGCAS
13:55	**We P2 10 - Well Ties for Converted Wave Data with an Example from the Clair Field, UKNS -** N. Philip[1]*, M. Ball[2], D. Riley[2], P. Tillotson[1] [1]BP Exploration, [2]BP Exploration
14:20	**We P2 11 - Direct gas-bearing Prediction of Carbonate Using Multi-wave Seismic Attributes -** B. Du[1]*, H. Wang[1], K. Cheng[1], J. Gao[1], H. Liang[1], S. Li[1], J. Gui[1], B. Liu[1] [1]PetroChina
14:45	**We P2 12 - Shear-wave Reflection Signal Recovery through Horizontal-geophone Azimuth Estimation -** J. Daves[1]*, J. Simmons[1] [1]Colorado School of Mines
15:10	**Coffee break**

Poster: Micro-seismicity and Passive A
V. Kazei; G. Michaud

15:30	**We P2 13 - Study on Borehole Strain Variations for Earthquake Precursor Based On Non-Gaussian Characteristics -** K. Zhu[1], Z. Yu[1]*, Q. Zhang[1], C. Chi[1], C. Peng[1] [1]Jilin University
15:55	**We P2 14 - Characterization of Velocity Pulses on Ground Motion Records in Bam and Sarpol-E-Zahab (Kermanshah) Earthquakes -** S. Shakiba[1]*, H. Rahimi[1], M. Pakzad[1] [1]University of Tehran
16:20	**We P2 15 - Sliding Window Based Multi-Scale Morphology for Detecting Microseismic Signal -** Y. Zhou[1]*, R. Wang [1], W. Huang[1], H. Li[1,2], J. Zhang[1], G. Shang[1] [1]China University of Petroleum, [2]SINOPEC
16:45	**We P2 16 - A Deep Learning Approach for Acoustic Emission Event Detection -** Q. Xue[1,2,3]*, Y. Wang[1,2], X. Chang[1,2] [1]IGGCAS, [2]Institutions of Earth Science, Chinese Academy of Sciences, [3]University of Chinese Academy of Sciences

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E-POSTERS 3

Poster: Data information management and High-performance computing
F. Broggini; A. St-Cyr

08:30	**We P3 01 - TOTAL Xploboard : Consolidated and Decisional Exploration Information Platform -** S. Ahn[1]* [1]TOTAL
08:55	**We P3 02 - Machine Learning to Support Technical Document Indexing, a Case Study on Seismic Acquisition Reports -** H. Blondelle[1]*, P. Neri[2], J. Micaelli[1] [1]Agile Data Decisions, [2]Energistics
09:20	**We P3 03 - Big Data Analytics for the Analysis and Visualization of Distributed Temperature Sensor Data -** M. Piantanida[1]*, S. Moriggi[1], G. Galli[1], C. Garbujo[1] [1]Eni
09:45	**We P3 04 - Use of Data Compression in Gaussian Beam Migration Algorithm -** R. Lencrerot[1]*, L. Qu[1], B. Duquet[1], C. Agut[1] [1]Total
10:10	Coffee break

Poster: Well Performance
F. Roth; M. Jamiolahmady

10:30	**We P3 05 - A Novel Numerical Method to Model the Transient Underbalanced Perforation Process -** S. Mohajeri[1], A. Alizadeh[1]*, M. Zeinali[1], H. Rajabi Varamini[1] [1]Engineering Support & Technology Development Company
10:55	**We P3 06 - Well Placement Optimization with an Efficient Hybrid Algorithm to Enhance Oil Recovery -** H. Chen[1]*, Q. Feng[1], X. Zhang[1], S. Wang[1], W. Zhou[2], C. Liu[2] [1]China University of Petroleum, [2]China National Offshore Oil Corp Research Institute
11:20	**We P3 07 - Numerical Modeling of the Propellant Assisted Extreme Overbalanced Perforation Process -** S. Mohajeri[1], A. Alizadeh[1]*, M. Zeinali[1], H. Rajabi Varamini[1] [1]Engineering Support & Technology Development Company
11:45	**We P3 08 - Modeling of Liquid Unloading in Vertical Gas Wells in the Presence of Foam -** S. Mahmoudi[1], M. Simjoo[1]* [1]Sahand University Of Technology
12:10	Lunch break

Poster: FWI B
A. Baumstein; J. Messud

13:30	**We P3 09 - Application of No Crosstalk Frequency-Encoded Multisource Full Waveform Inversion to Marine Streamer Data -** Z. Zhou[1]*, H. Zhou[1], Q. Zhou[2], J. Fang[1], X. Zhao[1], Z. Gu[1], Y. An[1] [1]China University of Petroleum, [2]Chinese Academy of Sciences
13:55	**We P3 10 - Velocity Construction Using Active and Passive Multi-Component Seismic Data Based On Elastic Full Waveform Inversion -** P. Zhang[1]*, L. Han[1], Q. Ge[1], F. Zhang[1], Y. Yin[1] [1]Jilin University
14:20	**We P3 11 - Comparing Elastic Full-Waveform and AVA Inversions: Preliminary Results on Synthetic Data -** A. Tognarelli[1]*, M. Aleardi[1], A. Mazzotti[1] [1]University of Pisa
14:45	**We P3 12 - Multi-Parametric Full Waveform Inversion of VSP Data Considering Borehole Deviation Error -** C. Kim[1]*, S. Pyun[1] [1]Inha University
15:10	Coffee break
15:30	**We P3 13 - Decentralized Full-Waveform Inversion -** A. Kadu[1]*, R. Kumar[2] [1]Utrecht University, [2]University of British Columbia
15:55	**We P3 14 - Scattering angle based simultaneous estimation for velocity and density -** J.R. Luo[1]*, R.S. Wu[2], H.X. Zhao[3] [1]Xi'an University of Technology, [2]University of California at Santa Cruz, [3]Xi'an Jiaotong University
16:20	**We P3 15 - Truncated Newton Method for Acoustic Full Waveform Inversion: A New Approach for the Hessian Approximation -** S. Kim[1]*, Y. Shin[1], J. Heo[1], D. Min[1] [1]Seoul National University

E-POSTERS 4

Poster: Building and Updating of Static Geomodels
G.J. Weltje; T. Cadoret

08:30	**We P4 01 - A Graph-Based Method to Detect and Correct Invalid Features in Subsurface Structural Models -** P. Anquez[1]*, J. Pellerin[2], G. Caumon[1] [1]GeoRessources - UL/CNRS/CREGU, [2]MEMA - Université Catholique de Louvain
08:55	**We P4 02 - Application of Stress Field Simulation Method Based On Structure Model in Validation of Seismic Interpretation Results -** L. Kang[1]*, D. Zhou[1], Z. Zhang[1], J. Gao[1], H. Shen[1] [1]CNOOC
09:20	**We P4 03 - Implicit Structural Modeling with Local Meshless Functions -** J. Renaudeau[1,2]*, F. Maerten[1], E. Malvesin[1], G. Caumon[2] [1]Schlumberger, [2]GeoResources
09:45	**We P4 04 - Dealing with uncertainty on horizontal well trajectory when targeting new infill drilling: The Brage Field case study -** A. Shtuka[1]*, V. Hadziavdic[2], L. Sandjivy[3] [1]Seisquare, [2]Wintershall Norge, [3]Seisquare
10:10	Coffee break

Poster: Diagenesis in Clastic Reservoirs
T. Adedosu; A. Meyer

10:30	**We P4 05 - Impact of Diagenesis on the Reservoir Quality of Tight Oil Sandstones: the Case of Lower Jurassic Badaowan Formation in -** X. Shan[1]*, Y. Xu[1], H.J. Guo[1], Z.W. Zou[1] [1]PetroChina
10:55	**We P4 06 - Automated Thin Section Analysis for Carbonate Using High-Resolution Petrographic Images -** A. Alabbad[1]*, C. Van Dijk[1] [1]Saudi Aramco
11:20	**We P4 07 - Coupling Diagenesis and Petrophysics in Red Bed Siliciclastics to Infer Fluid Flow Anisotropies – Analog Studies From -** C. Schmidt[1]*, B. Busch[1], C. Hilgers[1] [1]KIT Karlsruhe Institute of Technology
12:10	Lunch break

Poster: Broadband Acquisition and Processing A
E. Frømyr; S. Grion

13:30	**We P4 09 - Decentralized Dispersed Source Array Acquisition and Time-Lapse Applications Using Simultaneous Joint Migration Inversion -** M. Caporal[1]*, G. Blacquière[1], S. Qu[1] [1]Delft University of Technology
13:55	**We P4 10 - Spread Spectrum Sweep Strategy to Improve Operational Efficiency with Marine Vibrators -** R. Tenghamn[1]*, A. Long[2], C. Strand[1], M. Beitz[1] [1]PGS, [2]PGS
14:20	**We P4 11 - Adaptive Deghosting Including the Rough and Time Variant Sea Surface -** J. Vrolijk[1]*, G. Blacquière[1] [1]Delft University of Technology
14:45	**We P4 12 - Bandwidth Enhancement by Constrained Convex Optimisation of Spectral Scalars -** M. Bekara[1]*, C. Davison [1], P. Stroia-Williams [1] [1]Petroleum Geo-Services
15:10	Coffee break
15:30	**We P4 13 - Source-Side Deghosting Method Based On Green's Theorem: Synthetic and Field Data Applications -** J. Yang[1]*, A.B. Weglein[2] [1]SINOPEC, [2]University of Houston
15:55	**We P4 14 - AVO/AVA Qcs for Broadband Seismic Data – Advantages of Frequency Dependent Qcs -** M. Whaley[1]* [1]Inverse Geoscience
16:20	**We P4 15 - The Five V's of Big Seismic Data -** A. Poole[1], P. Bilsby [1]*, G. Busanello[1] [1]Schlumberger
16:45	**We P4 16 - Identification and Reduction of Spiky Seismic Traces Using InHhouse Developed Module -** H.N. Garg[1], K. Praveen [1]* [1]ONGC

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E-POSTERS 5

Poster: The Resolution Of Anisotropy A
N. Masmoudi; A. Canning

08:30	**We P5 01 - A Study of the Frequency-dependent Characteristics of Fractured Porous Media -** X. Qin[1]*, X.Y. Li[1,2], H. Dai[2], S. Chen[1] [1]China University Of Petroleum, [2] British Geology Survery
08:55	**We P5 02 - Triplications for Pure and Converted Wave Modes in Orthorhombic Model -** S. Xu[1]*, A. Stovas[1] [1]Norwegian University of Science & Technology
09:20	**We P5 03 - Using Well Information to Verify and Improve Waveform Inversion Results in Transversely Isotropic Media -** Y. Li[1]*, T. Alkhalifah[2], H. Gu[1] [1]China University of Geosciences, [2]King Abdullah University of Science and Technology
09:45	**We P5 04 - Uncoupled joint Inversion for Velocity and Epsilon Applied to a Prestack Depth Migration Study of the Marcellus Shale -** R.D. McCann[1]*, B.G. Lasscock[1], K.J. Hellman[1], S.T. Boyer[1] [1]Geokinetics
10:10	**Coffee break**

Poster: Velocity Estimation - Theory A
R. Wervelman; C. Hidalgo

10:30	**We P5 05 - Accounting for Lateral Heterogeneity in a Pseudo Inverse Operator of the Extended Born -** A. Alali[1]*, T. Alkhalifah[1], B. Sun[1] [1]King Abdullah University of Science and Technology
10:55	**We P5 06 - Velocity Estimation in Layered Media Using Ensembled-based Sequential Filtering -** M. Gineste[1]*, J. Eidsvik[1], Y. Zheng[2] [1]Norwegian University Of Science And Technology, [2]BP
11:20	**We P5 07 - High Resolution Tomography Method Based On Image Edge-preserving PDE -** Y. Ni[1]* [1]SINOPEC
11:45	**We P5 08 - Application of Triangulated Stereo-tomography to the 2D Real Data Acquired in the South China Sea -** W. Shao[1]*, K.(. Yang[1], W. Gu[1], F. Xing[1] [1]Tongji University
12:10	**Lunch break**

Poster: Sedimentology - Case Studies
M. Soua; M. Holz

13:30	**We P5 09 - Geological Approach to the Optimization of Production Rates by Identifying Depositional Systems -** B. Sorani[1]* [1]MOL Group
13:55	**We P5 10 - Lithospheric Structure of Northwestern Venezuela: Implications for the Understanding of Continental Margins Evolution -** F. Mazuera[1]*, A. Escalona[1], M. Schmitz[2] [1]University of Stavanger, [2]Venezuelan Foundation for Seismological Research
14:45	**We P5 12 - Sedimentary Characteristics and Hydrocarbon Exploration Significance of Lower Cambrian in Tarim Basin, Northwest China -** L. Tian[1]* [1]PetroChina
15:10	**Coffee break**
15:30	**We P5 13 - Determining Optimum Location for Drilling a new Exploration Well Using Seismic Attributes Analysis and Petrophysical Int -** E. Parsamanesh[1]*, Y. Beiraghdar Aghbelagh[3], M. Nabi-Bidhendi[2], N. Keshavarz Faraj Khah[4] [1]Tehran Energy Consultants, [2]University of Northern British Columbia, [3]University of Tehran, [4]Research Institute of Petroleum Industry
15:55	**We P5 14 - Microbially Mediated Magnesite Precipitation Destroying Reservoir Quality in the Volpriehausen Sandstone, Denmark -** S. Froud[1]*, M. Felder[2] [1]Wintershall Noordzee, [2]PanTerra Geoconsultants
16:20	**We P5 15 - Permeability of Intact and Fractured Whitby Mudstone -** M. Houben[1]*, J. van Eeden[1], S. Hangx[1] [1]Utrecht University

E-POSTERS 6

Poster: Seismic Interpretation B - Seismic Attributes
E. Brechet; O. Vejbæk

08:30	**We P6 01 - Application of the Matching Pursuit Based On Dipole Decomposition to Thin Reservoir of Bohai Bay Basin -** F. Li[1]*, J. Ming[1], T. Wei[1], Y. Xiong[1], J. Zhou[1] [1]CNOOC
08:55	**We P6 02 - Application of Sparse Inverse Spectral Attributes to Channels Detection -** T.Y. Wang[1]*, S.Y. Yuan[1], Z.H. Song[1], C.M. Luo[1], Y.X. He[1], S.X. Wang[1] [1]China University of Petroleum
09:20	**We P6 03 - Seismic Facies-controlled Prestack Simultaneous Inversion of Reservoir Elastic and Petrophysical Parameters -** Y. Hao[3]*, S. Zhang[1], Y. Dong[2], S. Chang[1], H. Huang[3] [1]Taiyuan University of Technology, [2]Shanxi Provincial Coal Geological, Geophysical Prospecting, Surveying and Mapping Institute, [3]China University of Petroleum
09:45	**We P6 04 - Structure Oriented Coherence for 3D Stratigraphic Feature Characterization -** T.Y. Wang[1]*, S.Y. Yuan[1], Y.X. Su[1], J.H. Wang[1], S.X. Wang[1] [1]China University of Petroleum
10:10	**Coffee break**
10:30	**We P6 05 - Poisson Impedance for Achimov Formation Sandstone Reservoirs Characterization -** A. Khitrenko[1]*, K. Binkov[2] [1]Gubkin Russian State University of Oil and Gas, [2]NRK-Technology
10:55	**We P6 06 - Seismic Fault Detection Method Based On Hough Transform -** L. Chen[1]*, S. Huo[1], G. Shu[1] [1]IGGCAS
11:20	**We P6 07 - The New Approach on Accurate Description of Central Volcanic Conduits: Applications to Southern Part of Bohai Bay Basin -** X. Liu[1], X. Zhou[1], J. Li[1], H. Liu[1], G.R. Xiao[1]* [1]CNOOC
12:10	**Lunch break**

Poster: Seismic Interpretation C - Methods and Workflows
M. Etchebes

13:30	**We P6 09 - Global 2D Seismic Interpretation Method -** S. Lacaze[1]*, F. Pauget[1], S. Philit[1] [1]ELIIS
13:55	**We P6 10 - A Workflow for 3D Stochastic Modeling of Salt from Seismic Images -** N. Clausolles[1]*, P. Collon[1], G. Caumon[1] [1]GeoRessources - UL/CNRS/CREGU
14:20	**We P6 11 - The Method and Application of Structural Recovery Underlying Igneous Rock -** Z. Han[1]*, N. Guo[1], X. Liang[1], S. Kong[1] [1]CNOOC
14:45	**We P6 12 - Making Old Data Almost New: Procedures for Identifying and Correcting Problems in Legacy Seismic Data -** S. Scheiber-Enslin[1]*, M. Manzi[1], S. Webb[1] [1]University of the Witwatersrand
15:10	**Coffee break**

Poster: Seismic interpolation and Regularization A
P. Terenghi

15:30	**We P6 13 - A New Random Sampling Method based on Compressed Sensing -** J.L. Yang[1]*, Y.D. Ni[1], X.F. Zou[1], Y.J. Lan[1], M.J. Yu[1] [1]BGP, CNPC
15:55	**We P6 14 - Seismic Data Reconstruction with Shearlet Operators based on Compressed Sensing -** N. Qin[1]* [1]SINOPEC
16:20	**We P6 15 - Seismic Data Restoration by the Weighted MCA -** M. Sun[1,2]*, Z. Li[1], C. Li[1], X. Li[2] [1]China University of Petroleum, [2]SGC Shengli
16:45	**We P6 16 - The Multi-operator Approach - Extending Time Processing to Complex Media -** J. Walda[1]*, C. Vanelle[1], D. Gajewski[1], B. Schwarz[2], S. Wissmath[1] [1]University Of Hamburg, [2]University of Oxford

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E-POSTERS 7

Poster: Reservoir Characterization A
I. Schmidt; G. Straathof

08:30	**We P7 01 - Deep Insights to Multilateral Wells with Arbitrary Trajectories - An Integrated Approach for Transient Pressure Behavior -** S. Al-Rbeawi[1]* [1]METU-Northern Cyprus Campus
08:55	**We P7 02 - Combining NMR and RCP to Characterize Full-range Pore Structure in Tight Glutenite Reservoirs -** W. Tian[1]*, S. Lu[1], W. Huang[1] [1]China University of Petroleum
09:20	**We P7 03 - A High Resolution Reservoir Prediction Method based on Pre-Stack Inversion with Differential Evolution - A Case Study in -** K. Shuanshuan[1]*, H. Zijun[1], Z. Delong[1], T. Xiang[1] [1]CNOOC
09:45	**We P7 04 - Analyzing Geophysical Well Logs to Derive Petrophysical Properties and Resistivity Sections in the Identification of Pro -** H. Rocha[1,2], A. Carrasquilla[2]*, J. Costa[2], A. Campi[2], M. AlIAhham[2] [1]UFRA, [2]UENF/CCT/LENEP
10:10	**Coffee break**
10:30	**We P7 05 - Characteristics and Genesis of the Inherited-Fracture Conglomerate Reservoir: Taking the Lvda 29-A Structure as an Examp -** F. Chong[1]* [1]CNOOC
10:55	**We P7 06 - Characterization of Channel Reservoir Sands and their Visualization – A Case Study -** K.J. Fernando[1]* [1]Southern Alberta Institute of Technology
11:20	**We P7 07 - Characterization of Dense Gas Reservoirs and Investigation on Control Factors in the Reservoir -** L. Hong[1], G. Wen[1]*, X. Min[1] [1]BGP, Southwest Company
11:45	**We P7 08 - Formation and Evolution of Paleo Hydrocarbon Pools in Mosuowan Uplift, Junggar Basin, China -** W. Ma[1]* [1]PetroChina
12:10	**Lunch break**

Poster: 4D Analysis and Evaluation A
D. Rappin; C. Tarchiani

13:30	**We P7 09 - Interpretation and Evaluation of Post-Stack 4D Seismic Time-Shifts -** C. MacBeth[1]*, M. Mangriotis[1], H. Amini[1] [1]Heriot-Watt University
13:55	**We P7 10 - Using Hydro-Mechanical Simulation Models to Assess the Influences of Media Heterogeneity on Time-Lapse Seismic Signature -** Y. He[1]*, K. Fu[1], X. Wu[1], T. Wang[1], S. Wang[1] [1]China University of Petroleum
14:20	**We P7 11 - A Bayesian Approach for Resolving OWC and GOC from 4D Seismic Data -** H. Amini[1]*, C. MacBeth[1] [1]Heriot-Watt University
14:45	**We P7 12 - A Target Oriented Common Image Gather Generation for Continuous Seismic Reservoir Monitoring -** H. Liu[1]*, M.N. Al-Ali[1] [1]Saudi Aramco
15:10	**Coffee break**
15:30	**We P7 13 - A Tiered Approach for Maximising the Value of a Noisy 4D Seismic Data in a Carbonate -** L.J. Wong[1]*, H. Amini[1] [1]Heriot-Watt University
15:55	**We P7 14 - Predicting Production Induced Anisotropy from 4D Seismic -** M. Paydayesh[1]*, R. Bachrach[1], A. Shamsa[1] [1]Schlumberger
16:20	**We P7 15 - Reservoir Fracture Gradient Estimation and the Associated Uncertainties Using 4D Seismic and Well Data -** M.Y. Wong[1]*, K. Bandyopadhyay[2], R. Musum[3] [1]Heriot-Watt University, [2]ExxonMobil Development Company, [3]Point Resources AS
16:45	**We P7 16 - A Feasibility Study of Time-Lapse FWI on DAS VSP Data Acquired with Permanent Sources -** A. Egorov[1]*, A. Bona[1], R. Pevzner[1], S. Glubokovskikh[1], V. Puzyrev[2] [1]Curtin University, CO2CRC, [2]Curtin University

E-POSTERS 8

Poster: Well Construction and Workovers
S. De Gennaro; P. Roux

08:30	**We P8 01 - A Robust Modeling Approach for Predicting the Rheological Behavior of Thixotropic Fluids -** M. Vasheghani Farahani[1]*, R. Shams[1], S. Jamshidi[1] [1]Sharif University of Technology
08:55	**We P8 02 - Damage Detection on Invisible Reverse Side of Planar Steel Using Disturbance Measurement of Magnetic Flux -** T. Nakagawa[1]*, H. Mikada[1], J. Takekawa[1] [1]Kyoto University
09:20	**We P8 03 - Hybrid Drill Bit- the State of the Technological Panacea for Conquering Drilling Challenges -** A. Kiyani[1]*, P. Moarefvand[1] [1]Amirkabir University of Technology
09:45	**We P8 04 - Clay Contamination Effects on Heavy Weighted Drilling Mud -** R. Lashkari[1]*, A. Khalilnejad[2], S.A. Tabatabae Nezhad[1] [1]Sahand University of Technology, [2]Islamic Azad University
10:10	**Coffee break**

Poster: Fractures and Caves
C. Zhou; T. Ait-Ettajer

10:30	**We P8 05 - Characterization of a Fractured Ordovician Pipe Rock based on Image Logs and Core -** J. Paludan[1]*, N. Kerrouche[1], S. Belahmeur[2], T. Hamma[2], R. Lakhcakheche[2] [1]Baker Hughes Denmark A/S, [2]Sonatrach
10:55	**We P8 06 - Delineating Fracture Connectivity Using Network Tortuosity Decomposition -** C.T. Ang[1]*, A.R. Ghazali[1] [1]PETRONAS Research Sdn. Bhd.
11:20	**We P8 07 - An Integrated Approach for Unconventional Fractured Reservoir Modeling in Metamorphic Basement -** K. Ezhov[1], E. Kharyba[1]*, I. Bogatyrev[1], T. Olneva[2], M. Dragosavac[1] [1]STC-NIS, [2]Gazpromneft-STC
12:10	**Lunch break**

Poster: Near Surface - Geotechnical Surveys and Applications
D. Orlowsky; F. Chitea

13:30	**We P8 09 - Seismic Noise Characterization at a Potential Site for the Einstein Telescope Underground Gravitational Wave Detector -** S. Koley[1], X. Campman[3], M. Bader[1], H.J. Bulten[1], J.V.D. Brand[1], F. Linde[1], M. Beker[2]* [1]National Institute for Subatomic Physics, [2]Innoseis BV, [3]Shell Global Solutions International BV
13:55	**We P8 10 - The Investigation of the Geological Situation in the Environment of Active Salt Mines Applying Seismic Techniques -** D. Orlowsky[1]*, K. Limbrock[1], B. Lehmann[1], A. Peak[2] [1]DMT Gmbh & Co. KG, [2]DMT Geosciences Ltd.
14:20	**We P8 11 - Seismic Imaging of a Dam Using Pseudo-VSP Acquisition -** C.V. Vergniault[1], J.L.O. Mari[2]* [1]EDF, [2]IFP Energies Nouvelles
14:45	**We P8 12 - Accurate Reconstruction of Shallow P-wave Velocity Model with Time-windowed Elastic Full-waveform Inversion -** N. Athanasopoulos[1]*, E. Manukyan[2], T. Bohlen[1], H. Maurer[2] [1]Karlsruhe Institute of Technology, [2]Swiss Federal Institute of Technology
15:10	**Coffee break**

Poster: Gas Storage - Risk and Uncertainty
H. Mahani; V. Rocca

15:30	**We P8 13 - 3D Seismic Forward Modeling from the Multi-Physical Reservoir Model at the Ketzin CO2 Storage Sitea -** Y. Zheng[1]*, B.U. Wiese[2], S. Lüth[2], R. Zeng[1], Y. Wang[1] [1]IGGCAS, [2]GFZ German Research Centre for Geosciences
15:55	**We P8 14 - Quantitative Analysis for Affecting Factors of Gas Adsorption Capacity Measurement on the Shales -** X. Ma[1]*, S. Liu[1] [1]PetroChina
16:20	**We P8 15 - "Simple But Not Simpler": A Full Cycle Approach to Contend Against Affect Heuristic in Frontier Exploration Decisions -** D. Surovtsev[1]*, C. Meulengracht[1] [1]Schlumberger
16:46	**We P8 16 - Risks and uncertainties combination to evaluate complex traps resources -** N. Shchukina[1]*, P. Biver[1], M. Zweigert[1] [1]Total

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E-POSTERS 9

Poster: Seismic Imaging - Case Histories A
O. Zdraveva; P. Mollicone

08:30	**We P9 01 - Delineation of Salt Diapirs Using Gravity and Seismic Data in the Danish North Sea -** C. Climent[1]*, N. Schødt[1], J. Fasterling[1] [1]Maersk Oil
08:55	**We P9 02 - Getting the Most from Heritage Seismic in the North Sea - High Resolution Imaging for Reservoir Characterization -** A. Cooke[3]*, M. Yanez Sanchez[1], C. Tyagi[1], M. Steiger-Jarvis[1], J. Bailey[1], M. Shadrina[1], S. Dingwall[2] [1]Schlumberger, [2]Ithaca Energy UK Limited, [3]WesternGeco
09:20	**We P9 03 - Seismic Processing Challenges Related to Leakage of Hydrocarbons from the Frigg Gamma Field -** E. Rykkelid[1]*, R.H. Pettersen[1], E.B. Raknes[1], Ø. Runde[1], M. Denti[2], E. Hicks[2], V. Vinje[2] [1]Aker BP, [2]CGG
09:45	**We P9 04 - A Systematic Broadband Processing Approach of Full-Azimuth Slanted-Cable Data in the Green Canyon Area of the Gulf Of Me -** C. Zhao[1]*, E. Oraghalum[1], S.L. Yong[1], A. Zarkhidze[1], O. Zdraveva[1] [1]Schlumberger
10:10	**Coffee break**
10:30	**We P9 05 - Imaging Pitfalls around Salt Domes from the Picanha Area, Offshore Brazil -** A. Pavlov[1]*, J. Fruehn[1], J. Faw[1], H. Faw[1] [1]ION
10:55	**We P9 06 - Application of Q PSDM in a Shallow Gas Affected Complex Area, Brazil - A Case History -** M. Guo[1]*, J. Ba[1], W. Qian[1], M. Mao[2] [1]Hohai University, [2]NUGEO TECH Inc.
11:20	**We P9 07 - Bespoke Processing and Imaging to Support Appraisal Strategy: Case Study in the Bonaparte Basin (Australia) -** E. Manzella[1]*, D. Cegani[1], M. Mantovani[2], D. Acerbi[2], D. Wheller[3] [1]Eni , [2]Schlumberger Geosolutions, [3]Eni Australia
11:45	**We P9 08 - Shot Based Interpretative Imaging in Foothills Validated by Elastic Modeling: Application to 2D Seismic Data from Papua -** H. Puntous[1], J. Browaeys[2]*, F. Adler[2], P. Jousselin[3] [1]Total SA, [2]Total SA, [3]Total E&P Asia Pacific PTE. Ltd
12:10	**Lunch break**

Poster: Seismic Modelling B
N. Moldoveanu; V. Cheverda

13:30	**We P9 09 - A Staggered Time Integrator for the Linear Wave Equation Using the Jacobi-Anger Expansion -** J. Lee[1]*, H. Park[1], Y. Park[1], C. Shin[1] [1]Seoul National University
13:55	**We P9 10 - An Optimal Fourier Finite-difference Scheme for Acoustic Wave Modelling based on Least Squares -** Y. Zhang[1]*, Y. Liu[1] [1] China University of Petroleum
14:20	**We P9 11 - A New Class of Central Compact Finite-difference Scheme with High Spectral Resolution for Acoustic Wave Equation -** Z.K. Wang[1]*, J.Y. Li[1], Y.R. Xu[1], B.F. WANG[2] [1]China University of Petroleum, [2]Tsinghua University
14:45	**We P9 12 - Sensitivity Study of the Immersive Boundary Condition Method -** F. Broggini[1]*, N. Athanasopoulos[2], M. Gray[3], D. van Manen[1] [1]ETH Zurich, [2]Karlsruhe Institute of Technology, [3]Imperial College London
15:10	**Coffee break**
15:30	**We P9 13 - S-wave in Acoustic Orthorhombic Media -** A. Stovas[1], S. Jin[1]* [1]Norwegian University Of Science And Technology
15:55	**We P9 14 - The Influence of Permian Igneous Rock on the Seismic Imaging of Underlying Strata in Halahatang Area -** D. Sun[1]*, X. Shi[1], L. Yang[1], Z. Wang[1], J. Wang[1] [1]PetroChina
16:20	**We P9 15 - Ray Tracing with Adaptive Step Size Control in Inhomogeneous Anisotropic Media -** A. Roeser[1]*, N. Boitz[1], S.A. Shapiro[1] [1]Freie Universität Berlin
16:45	**We P9 16 - Eigenray Tracing in 3D Heterogeneous Media -** Z. Koren[1]*, I. Ravve[1] [1]Emerson

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E-POSTERS STUDENTS 1

Student Poster: Potential Fields, Seismology

S Motavalli-Anbaran; S Ganguli

08:30	**08:30 - We SP1 01 - Rupture Directivity of Earthquakes below Gold Mines in South Africa -** D. Wehner*[1], J. Folesky[1], C. Dinske[1], J. Kummerow[1], S. Shapiro[1] [1]Freie Universität Berlin
08:55	**We SP1 02 - 3-D Time Domain Electromagnetic (TDEM) Modeling to Analyze Resistivity Distribution in the Geothermal System -** C.A Hapsoro[1]*, W Srigutomo[1], A Purqon[1] [1]Bandung Institute of Technology
09:20	**We SP1 03 - 3D Magnetic Basement Derived from Power Spectrum of Aeromagnetic Data of Parts of Lower Benue Trough, Nigeria -** M Abdullahi[1]*, U Singh[1], R Prajapati[1], M ASIF[1] [1]Indian Institute of Technology
09:45	**We SP1 04 - 3D Constraint Gravity Inversion Modeling on Mining Deposit Based On Circular Cylinder -** S Sayyadi[1]* [1]University of Iceland
10:10	**Coffee break**
10:30	**We SP1 05 - Spatial Correlation Analysis Using Iranian Strong Motion Dataset -** A Sadeghi-Bagherabadi[1]*, A Aoudia[2], N Mohammadi[3] [2]Abdus Salam International Centre for Theoretical Physics, [1]IASBS, [3]University of Tehran
10:55	**We SP1 06 - Variation of Anisotropy Parameters and Seismic Velocity before the 5 April 2017 (M=6) Sefidsang Earthquake, Iran -** S Sahebsara[1]*, A Sadidkhouy[1], G javandoloei[1] [1]University of Tehran
11:20	**We SP1 07 - Shear Wave Splitting Analysis Using SKS Phase -** T Dev[1]*, P Kumar[2] [1]Department of Applied Geophysics,IIT(ISM), [2]Seismology Division,CSIR-NGRI
12:10	**Lunch break**

Student Poster: Geochemistry and Geochronology

I.L Fabricius

13:30	**We SP1 09 - Geochemistry of Groundwater in the Area of Zun-Torey and Barun-Torey Lakes (Transbaikalia, Russia) -** V Drebot[1]* [1]Tomsk Polytechnic University
13:55	**We SP1 10 - Utility of GCXGC-TOFMS in Analyzing Biomarkers from Crude Oil: A Case Study from Cambay Basin, Western India -** S Kumar[1]*, S Dutta[1], U.K Bhui[2] [1]Indian Institute of Technology Bombay, [2]Pandit Deendayal Petroleum University
14:20	**We SP1 11 - Geostatistical Modelling on CO2 and Mercury Content in Soil and Its Implication for Geothermal Exploration in Bittuang -** Rio[1]*, B.A Pramita[1] [1]Bandung Institute of Technology
14:45	**We SP1 12 - Provenance Characteristics of Au+U Bearing Archean Quartz Pebble Conglomerates of Singhbhum Craton -** K Patel[1]*, R Chakravarti [1], S Singh[1] [1]Indian School of Mines
15:10	**Coffee break**
15:55	**We SP1 14 - Genetic Types of Natural Gas in the Dongpu Depression, Bohai Bay Basin -** X Lyu[1]*, Y Jiang[1] [1]China University of Petroleum
16:20	**We SP1 15 - Organic Geochemical Characteristics of Tertiary Organic-Rich Sediments from Onshore Penyu Basin, Malaysia -** Y Makeen[1]*, W.H Abdullah[1], H Ayinla[1] [1]University Of Malaya

E-POSTERS STUDENTS 2

Student Poster: EOR and IOR

S Al-Rbeawi; M Bakhtbidar

08:30	**We SP2 01 - Numerical Simulation of an Oil Viscosity Reduction Microbe for Enhanced Oil Recovery -** Ansah[1]*, Y.S Sugai[1], K.S Sasaki[1] [1]Kyushu University
08:55	**We SP2 02 - Laboratory and Computed Tomography Studies of the Effects of Gel-Polymer Treatments on the Properties of Porous Media -** M Kalateh Aghamohammadi[1]*, J Qajar[1], F Esmaeilzadeh[1] [1]Shiraz University
09:20	**We SP2 03 - Prediction of CO2 Diffusion Coefficient in Condensate by Pressure Decay Method -** F Zareie[1], R Azin[1]*, S Osfouri[1] [1]Persian Gulf University
09:45	**We SP2 04 - Evaluating the Effects of Viscosity on Interfacial Tension of Methane/Normal-Alkane Systems: LSSVM Approach Analysis -** M Soleimanifard[1], A Rad[1], M Masoudi[1], E Baghani[1]* [1]Petroleum University Of Technology
10:10	**Coffee break**
10:30	**We SP2 05 - Experimental Measurements and Developing New Scaling Equations for Modeling of Asphaltene Precipitation -** A Rad[1]*, B Soltani Soulgani[1], M Rad[2], M Soleimanifard[1] [2]Islamic Azad University, [1]Petroleum University Of Technology
10:55	**We SP2 06 - Comparison of Oil Recovery Rate in Water Flooding of Carbonate and Sandstone Reservoirs: Effect of Different Salinities -** M Hosseini[1]*, M Ghaedi[2] [2]Shiraz University, [1]Tarbiat Modares University
11:20	**We SP2 07 - On the Effects of Salinity, Asphaltenes and Resins on Interfacial Tension: Applications to Low Salinity Water Injection -** R Moghadasi[1]*, S Kord[1], J Moghadasi[1], H Asaadian[1] [1]Petroleum University of Technology
12:10	**Lunch break**

Student Poster: Seismic Acquisition · Hardware, Geometries and Technicques, Seismic Processing & Modelling

M Branston; C Steiner-Luckabauer

13:30	**We SP2 09 - High-Accuracy Modeling of Acoustic Equation in Frequency Domain Based On MCPML Absorbing Boundary -** S. Dong[1]*, L. Han[1], P. Zhang[1], Y. Hu[1] [1]Jilin University
13:55	**We SP2 10 - Multi-Modal Machine Learning Fusion for Characterizing Complex Fluvio-Deltaic Tertiary Deposits of North Eastern China -** C.D Boateng[1]*, L.Y Fu[1] [1]Chinese Academy of Sciences
14:20	**We SP2 11 - Application of 3D seismic to Enhance Mapping of Potholes in the Western Bushveld Complex, South Africa -** L Sehoole[1]*, M Manzi[1], S Zhang[1] [1]University Of The Witwatersrand
14:45	**We SP2 12 - A Modified Pure P-Wave Equation and RTM for TTI Media -** L Bowen[1]*, C.M Liu[1], D.L Wang[1], J.J Zhou[1], C.M Liu[1] [1]Jilin University
15:10	**Coffee break**
15:30	**We SP2 13 - Seismic Modeling and Its Application on Source Wavelet Frequency Determination -** A Javaherian [1]*, S Saffarzadeh[1], H Hasani[1], M Sadri[2] [1]Amirkabir University of Technology, [2]National Iranian Oil Company
15:55	**We SP2 14 - One-Way Propagation Operator to Simulate the Two-Way Wavefield and Application on Surface-Related Multiples Image -** Q Li[1]*, D Wang[1], J Zhou[1] [1]Jilin University
16:20	**We SP2 15 - A New Hybrid Absorbing Boundary Condition for Numerical Modeling of Pseudo-Acoustic VTI Wave Propagation -** A Rahimi Dalkhani[1], A Johar[2]*, A Ghods[2] [1]Amirkabir University of Technology, [2]Institute for Advanced Studies in Basic Sciences

Best Student Paper Prize

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AUDITORIUM 10

Seismic Imaging - Theory II
Y. Sun; S. Foss

08:20	**Th A10 01 - Elastodynamic Plane Wave Marchenko Redatuming: Theory and Examples -** C. Reinicke[1]*, G.A. Meles[1], K. Wapenaar[1] [1]Delft University Of Technology
08:30	**Th A10 02 - 3D Marchenko Redatuming Using 2D and 3D Seismic Data -** A. Lomas[1]*, A. Curtis[1] [1]University of Edinburgh
09:20	**Th A10 03 - Importance of Curvature-Independent Oriented Time-Domain Seismic Imaging -** M.J. Khoshnavaz[1]*, A. Bona[2], M. Urosevic[2], A. Dzunic[2] [1]University of Tehran, [2]Curtin University of Technology
09:45	**Th A10 04 - Wavelength-dependent Fresnel Beam Migration in VTI Media -** B.K. Han[1]*, H.M. Gu[1], S.Y. Liu[1], Z. Yan[1] [1]China University of Geosciences
10:10	**Coffee break**
10:30	**Th A10 05 - Pseudospectral 3-D Migration of Common-Offset Vector Gathers – Highly Parallel Algorithm -** V. Lisitsa[2]*, A. Pleshkevich[1], D. Vishnevskiy[2], V. Levchenko[3], B. Moroz[1] [1]Central Geophysical Expedition JSC of Rosgeo, [2]Institute of Petroleum Geology and Geophysics, [3]Keldysh Institute of Applied Mathematics
10:55	**Th A10 06 - GPU Implementation of Geophysical Algorithms -** F. Broggini[1]* [1]ETH Zurich
11:20	**Th A10 07 - Accounting for Processing Errors in AVO/AVA Data -** R.B. Madsen[1]*, E. Nørmark[2], T. Mejer Hansen[1] [1]University of Copenhagen, [2]Aarhus University
11:45	**Th A10 08 - Estimating the Regularization Parameter Efficiently -** N. Luiken[2]*, T. van Leeuwen[1] [1]Utrecht University, [2]Delphi Consortium
12:10	**Lunch break**

Computational Geoscience and Data/information Management
A. Smith; A. Hajian

13:30	**Th A10 09 - Digitalisation in Subsurface Learning -** H.J. Kloosterman[1]*, J. Grotsch[1], Y.K. Yong[1], M. Smit[1], E. van Zeeland[1] [1]Shell International E&P BV
13:55	**Th A10 10 - Reduced Order Modeling in Geophysics: pyROM Open-source Framework -** V. Puzyrev[1]*, M. Ghommem[2], S. Meka[1], V. Calo[3] [1]Curtin University, [2]American University of Sharjah, [3]CSIRO
14:20	**Th A10 11 - Seismic Modeling with Half Precision Floating Point Numbers -** G. Fabien-Ouellet[1,2]*, R.G. Clapp[1] [1]Polytechnique Montréal, [2]Stanford University
14:45	**Th A10 12 - Optimization of Fully Anisotropic Elastic Wave Propagation on Intel Xeon Scalable Processors -** A. Farres[1]*, C. Rosas[1], M. Hanzich[1], A. Duran[2], C. Yount[3] [1]Barcelona Supercomputing Center, [2]Intel Corporation Iberia, [3]Intel Corporation
15:10	**Coffee break**

Seismic Reservoir Characterization III
I. Guerra; H. Veire

15:30	**Th A10 13 - Frequency-Division Inversion for Intra-Platform Shoal Reservoir -** Z. Wang[1]*, H. Wang[1] [1]PetroChina
15:55	**Th A10 14 - Igneous Reservoirs Characterization by the New High Resolution Seismic Coherency Attributes -** J. Yan[1]*, H. Wang[1], Y. Yao[1], B. Bian[1], X. Song[1] [1]Chengdu University of Technology
16:20	**Th A10 15 - The Application of Matching Pursuit Algorithm Based On WB-Marr Wavelet in Oil and Gas Exploration -** T. Fan[1]*, Z. Wang[1], L. Xu[1], N. Tian[1], H. Dong[1] [1]CNOOC Research Institute
16:45	**Th A10 16 - The Application of Wavelet Transform Based on T-K Energy in Recognition of True and False Bright Spots -** D.J. Hou[1]*, P. Zhang[1], D.Y. Guan[1], T. Yan[1], Y. Xiong[1] [1]CNOOC

AUDITORIUM 11

Reservoir Management and Field Development I
R. Dastidar; Ø. Bøe

08:30	**Th A11 01 - Learnings from Reservoir Souring Treatment by Nitrate Injection in the Halfdan Oil Field -** M. Jahanbani Veshareh[1]*, H. M. Nick[1] [1]Technical University of Denmark
08:55	**Th A11 02 - The Application of Production Logging Data on Development of Shale Gas Well in China -** D. Dejia[1]*, Z. Tongyi[1], M. Jun[1], P. Wei[1] [1]SINOPEC
09:20	**Th A11 03 - Multiple-Cycle Production Data Analysis Using Modern Decline Type Curves -** C. Johnson[1], M. Jamiolahmady[1]* [1]Heriot-Watt University
09:45	**Th A11 04 - Method of Different Productivity Area Classification for the Large Multi-layer Sandstone Reservoir -** Y. Li[1]*, B. Li[1] [1]RIPED, CNPC
10:10	**Coffee break**
10:30	**Th A11 05 - InSAR: Get Value from an Under-Appreciated Technology -** M. Allan[1]* [1]Skygeo, LLC
10:55	**Th A11 06 - Multidisciplinary Strategy for Optimization of Oil Production and Energy Consumption from Individual Well Analysis on Gi -** R. Astudillo[1]*, N. Orellana[1], A. Caicedo[1], E. Martinez[1], S. Villegas[1], A. Gaibor[1], S. Lozada[1], R. Bolaños[1] [1]Ricardo Astudillo
11:20	**Th A11 07 - Modified Particle Retention Model Under Effective Stress Influence due to Reservoir Depletion -** S. Tangparitkul[1]*, M. Yusuf[2], A. Fiaz[2], A. Saul[3], A. Kalantariasl[4] [1]Chiang Mai University, [2]University of Leeds, [3]University of Adelaide, [4]Shiraz University
11:45	**Th A11 08 - 500°C-Rated Optical Fibers for High Temperature Applications -** W. Jacobsen[1]*, A. Soufiane[1], J. D'Urso[1] [1]AFL Specialty Fiber
12:10	**Lunch break**

Seismic Interpretation III - Resolution and Spectra
A. Bounaim; M. Marjanovic

13:30	**Th A11 09 - Seismic Spectral Decomposition with Smoothed Pseudo Wigner-Ville Distribution -** B. Shekar[1]*, D. Nanda[2] [1]Indian Institute Of Technology Bombay, [2]RezLytiX Technologies Pvt. Ltd.
13:55	**Th A11 10 - Spectral Decomposition Mapping of Middle Miocene Channel-lobe Systems in the Pannonian Basin (Drava Depression, Croatia) -** T. Baketarić*[1], M. Pleić[1], D. Bigunac[1], B. Krpan[1], G. Jović[1] [1]INA - Industry of Oil Plc.
14:20	**Th A11 11 - Quantitative Interpretation of Frequency Decomposition Blends Using Forward Modelling: Thebe Discovery, NW Australia -** K. Kraus[2], P. Szafian[1]*, R. Bell[2] [1]GeoTeric, [2]Imperial College London
14:45	**Th A11 12 - Thin-layer Reservoir Property Interpretation Using Seismic Odd and Even Peak Amplitude Attributes -** J. Zhou[1,2]*, J. Ba[1], J. Castagna[2], E. Wang[1], R. Jiang[3] [1]Hohai University, [2]University of Houston, [3]RIPED
15:10	**Coffee break**
15:30	**Th A11 13 - Seismic Absorption Estimation for Reservoir Prediction Using Prony Decomposition -** V.V. Kalashnikova[1]*, R. Øverås[1] [1]Pre Stack Solutions-Geo
15:55	**Th A11 14 - Shallow Geohazard Channel Identification Based On Novel Seismic Interpretation Techniques in South Caspian Sea -** H. Karbala Ali[1]*, F. Qayyum[2], P. de Groot[2], A. Javaherian[1] [1]Amirkabir University of Technology, [2]dGB Earth Sciences
16:20	**Th A11 15 - A New Perspective on Seismic Resolution – Two North Sea Examples -** M.G. Schuberth[1]*, E.T. Delaney[1] [1]Statoil ASA
16:45	**Th A11 16 - Resolution Boosting of Seismic Data Using Hessian Analysis -** A. Bounaim[1]*, L. Sonneland[1] [1]Schlumberger

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AUDITORIUM 12

FWI III - Multiparameter, Anisotropy...
T. Alkhalifah

08:30	**Th A12 01 - Square-Root Variable Metric Based Elastic Full Waveform Inversion and Its Uncertainty Estimation -** Q. Liu[1]*, D. Peter[1] [1]King Abdullah University of Science and Technology
08:55	**Th A12 02 - 2D Full Waveform Inversion Applied to a Strongly-Dispersive Love Wave Field Dataset -** D. Köhn[1]*, D. Wilken[1], D. De Nil[1], T. Wunderlich[1], W. Rabbel[1], L. Werther[2] [1]Christian Albrechts University of Kiel, [2]Friedrich Schiller University
09:20	**Th A12 03 - Two-Grid Genetic Algorithm Full Waveform Inversion of Surface Waves: Two Actual Data Examples -** Z. Xing[1]*, A. Mazzotti[1] [1]University of Pisa
09:45	**Th A12 04 - A Practical Workflow of Full Waveform Inversion to Process Land Seismic Data: Synthetic Study -** W. He[1]*, R. Brossier[1], L. Metivier[1,2], J. Virieux[1] [1]University Grenoble Alpes, [2]Univ. Grenoble Alpes - CNRS, LJK
10:10	**Coffee break**
10:55	**Th A12 06 - Application of a 3d Orthorhombic FWI to a Field Data Set from the North Sea -** N. Masmoudi[1]*, T. Alkhalifah[1] [1]King Abdullah University of Science & Technology
11:20	**Th A12 07 - A Modified 2D Visco-Acoustic Waveform Inversion Scheme -** H. Jiang[1], H. Chauris[1]* [1]MINES ParisTech, PSL Research University
11:45	**Th A12 08 - 3-D Time-Domain VTI Viscoacoustic Full Waveform Inversion: Application to Valhall Field Data -** P. Yang[1]*, R. Brossier[1], L. Metivier[2], J. Virieux[1] [1]Univ. Grenoble Alpes, ISTerre, [2]Univ. Grenoble Alpes - CNRS, LJK
12:10	**Lunch break**
14:45	**Th A12 05 - Full Waveform Inversion for Density: Reciprocity, Divergence, Parameter Resolution, and Other Issues -** R.G. Pratt[1]*, B. Smithyman[2] [1]University Of Western Ontario, [2]Seequent Information Technology and Services

Velocity Model Building - Tomography
P. Guillaume

13:30	**Th A12 09 - Migration Confidence Analysis: Resolved Space Uncertainties -** J. Messud[1]*, P. Guillaume[1], M. Reinier[1], C. Hidalgo[2] [1]CGG, [2]INEOS
13:55	**Th A12 10 - Subsurface Offset Generalization for Reflection Tomography Inversion -** R. Dafni[1]*, W.W. Symes[1] [1]Rice University
14:20	**Th a12 11 - Time-migration Tomography based on Reflection Slopes in Pre-stack Time-migrated Seismic Data -** H. Zhao[1]*, A. Ueland Waldeland[1], D. Rueda Serrano [3], M. Tygel [3], E. Iversen [2] [1]University Of Oslo, [2]University of Bergen, [3]University of Campinas
14:45	**Th A12 12 - Parsimonious Slope K. Tomography Based On Eikonal Solvers and the Adjoint-state Method -** S. Sambolian[1]*, S. Operto[1], A. Ribodetti[1], B. Tavakoli F.[1], J. Virieux[2] [1]University of Côte d'Azur, Geoazur, [2]Univeristy of Grenoble Alpes, ISTerre
15:10	**Coffee break**
15:30	**Th A12 13 - Automatic Reflection Tomography -** B. Feng[1,2]*, H. Wang[1] [1]Tongji University, [2]University Of California
15:55	**Th A12 14 - Migration Velocity Analysis with Multiple Modeling: an Inversion Toolbox -** R. Soubaras[1]*, B. Gratacos[1] [1]CGG
16:20	**Th A12 15 - Anisotropic First-arrival Slope and Traveltime Tomography (FASTT) -** B. Tavakoli F.[1]*, S. Operto[2], A. Ribodetti[1], J. Virieux[2], S. Sambolian[1] [1]Univ. Côte d'Azur, Geoazur, CNRS - IRD - OCA, [2]Univ. Grenoble Alpes, ISTerre
16:45	**Th A12 16 - Anisotropic Stereotomography based on the 2D Quasi-acoustic Eikonal Equation for VTI Media -** X. Wang[1]*, K. Yang[1], G. Chen[1] [1]Tongji University

AUDITORIUM 15

General Noise Attenuation
R. Hegge

13:30	**Th A15 09 - Geologic Structure-based Image Enhancement with Directional Image Partitions -** R. Gu[1]*, M. Hegazy[1], O. Zdraveva[1], S. Gautam[1] [1]WesternGeco
13:55	**Th A15 10 - Random Noise Attenuation Using Convolutional Neural Networks -** J. Liu[1]*, W. Lu[1], P. Zhang[2] [1]Tsinghua University, [2]Chinese Acadamy of Sciences
14:20	**Th A15 11 - A New Strategy for Sinusoid Noise Attenuation Sing Randomization and SVD -** H. Wang[1]*, S. Cao[1], Y. Li[1], X. Sun[1], Y. Tao[1] [1]China University of Petroleum
14:45	**Th A15 12 - Time-Frequency Vector Median Filtering and Its Application to Noise Attenuation -** T. Seher[1]*, F. Perez Ortega[2] [1]Spectrum Geo Ltd., [2]University of Leeds
15:10	**Coffee break**

Seismic Interpolation and Regularization I
P. Terenghi

15:30	**Th A15 13 - Seismic Data Reconstruction with Generative Adversarial Networks -** A. Siahkoohi[1]*, R. Kumar[1,2], F. Herrmann[2] [1]The University of British Columbia, [2]Georgia Institute of Technology
15:55	**Th A15 14 - Seismic Data Interpolation Using Deep Learning Based Residual Networks -** B.F. Wang[1]*, N. Zhang[2], W.K. Lu[2], P. Zhang[3], J.H. Geng[1] [1]Tongji University, [2]Tsinghua University, [3]Institute of electronics - Chinese Academy of Sciences
16:20	**Th A15 15 - A Quantitative Comparison of Two Convolutional Neural Network Architectures - Seismic Data Interpolation as Example -** Y. Wang[1]*, N. Tu[1], J. Geng[1] [1]Tongji University
16:45	**Th A15 16 - Multi-scale Multi-directional Prediction-error Filtering for Seismic Data Reconstruction -** C. Li[1]*, G. Liu[1] [1]China University of Petroleum

Note: technical programme version - 15 April 2018.

Oral presentations Thursday 14 June

ROOM A

AVO Technologies
K.R. Nunn; P. Nivlet

08:30	**Th A 01 - Nonlinear Single Loop Litho-Petro-Elastic Prestack Inversion Using Data Assimilation Techniques -** R. Bachrach[1]* [1]Schlumberger
08:55	**Th A 02 - A Direct Inversion for Young's Modulus and Poisson's Ratio Using Exact Zoeppritz Equations -** B. Song[1]*, S. Chen[1], X. Li[2] [1]China University of Petroleum, [2]British Geological Survey
09:20	**Th A 03 - Improved Rock Property Estimation from Joint Inversion of PP and PS Reflectivities -** I. Lehocki[1], P. Avseth[2]* [1]Lehocki Geospace, [2]NTNU
09:45	**Th A 04 - A Comparison of Layer-Based and Sample-Based Inversions for Time-Lapse AVO Problems -** J. Gunning[1]* [1]CSIRO
10:10	**Coffee break**

Geopressure
J. Khazanehdari; N.H. Mondol

10:30	**Th A 05 - Time-Lapse Bathymetry Processing for Seabed Subsidence Monitoring -** P. Zaradkiewicz[1]*, E. Eriksson[1], P. Christian[1], H. Klemm[1], P. Hickman[1] [1]Maersk Oil
10:55	**Th A 06 - Seismic-Based Salt Characterisation for Geomechanical Modelling of a Presalt Reservoir -** L. Teixeira[1], J.P. Nunes[1], A. Maul[1], J. Fonseca[1], P. Barros[1], F. Borges[2]* [1]Petrobras, [2]Norwegian University of Science and Technology
11:20	**Th A 07 - Pore Pressure Regime in the South Sumatra Basin, Indonesia -** A.M. Ramdhan[1]*, A. Ardjuna[2], A. Syafriya[3], L.M. Hutasoit[1], N.R. Goulty[4] [1]Institut Teknologi Bandung, [2]SKK Migas, [3]PetroChina, [4]Durham University
11:45	**Th A 08 - Integrated Regional Pore Pressure Prediction in Three Dimensions -** P. Baron[1], I. Escobar[1]* [1]Maersk Oil
12:10	**Lunch break**

Sedimentary Case Studies (Dedicated Session)
F. Guillocheau

13:30	**Th A 09 - Analysis of The Property of The High Slide Sub-lacustrine Fan in Lower Dong-II Member of Bonan Low Uplift North Slope -** Y. Zhao[1]*, Z. Zhang[1], Y. Wang[1] [1]Bohai Oilfield Research Institute
13:55	**Th A 10 - Reservoir Potential in Contourites: Evidence of Coarse-grained Dontourite Facies in the Mozambique Margin -** N. Babonneau[2], A. Genet[2], M. Rabineau[2], L. Droz[2], C. Robin[4], F. Raisson[1]*, E. Miramontes[2,3], D. Belleney[2,3], S. Révillon[2,5], M. Moulin[3], D. Aslanian[3] [1]Total SA, [2]Institut Universitaire Européen Mer, [3]IFREMER, [4]Université de Rennes, [5]SEDISOR
14:20	**Th A 11 - Lowstand Reservoirs and the Influence of Transform Boundary Fracture Zones -** C. Parry[1]* [1]GER X AS
14:45	**Th A 12 - Depositional Architecture and Reservoir Quality of the Serravallian Deep-Marine Slope Turbidites at Akhen Field, Egypt -** R. Ali[1]*, P. Butterworth[2], M. Saad[3] [1]Corex Services Egypt, [2]BP, [3]Cairo University
15:10	**Coffee break**
15:30	**Th A 13 - A Theoretical Analysis and Case Study of a Drilling Site in K-G Basin with Well Log Data -** R. Khanna[1]* [1]Banaras Hindu University
15:55	**Th A 14 - Westward Progradation of Meso-Cenozoic Tectonic Deformations in the Laptev and East Siberian Seas Region -** A. Piskarev[1,2]*, V. Savin[1], M. Kos'ko[1] [1]VNIIOkeangeologia, [2]St. Petersburg State University
16:20	**Th A 15 - A Case Study of Reservoir Architecture of Estuarine Tidal Bar Deposits in the McMurray Formation, Alberta, Canada -** Huang[1]* [1]RIPED, PetroChina Co. Ltd

ROOM B

Electromagnetic Methods - CSEM and MT 2
J.P. Morten; R. Streich

08:30	**Th B 01 - Data Driven Initial Model Estimation with Application to Marine CSEM Data -** R. Mittet[1]* [1]EMGS
08:55	**Th B 02 - Structurally-Constrained 3D Anisotropic CSEM Resistivity Inversion with Crossgradient Criterion: Proof-Of-Concept Study -** M.A. Meju[1]*, R.L. Mackie[2], F. Miorelli[2], A.S. Saleh[1] [1]Petronas Carigali Sdn. Bhd., [2]CGG Electromagnetics Milan
09:20	**Th B 03 - Optimizing the Estimation of Distortion Parameters in Magnetotelluric 3D Inversion -** W. Soyer[1]*, R. Mackie[1], F. Miorelli[1] [1]CGG Multi-Physics Imaging
09:45	**Th B 04 - Enhancing Imaging of the Sub-Andean Foothills Geology Using Magnetotelluric. A Case History of a Magnetotelluric Campaig -** M. Pezzoli[1]*, E. Lazaro[2], N. Cuevas[1] [1]Schlumberger, [2]YPFB Chaco
10:10	**Coffee break**

Land Seismic Acquisition
R. Siliqi; K. Al-Yahya

10:30	**Th B 05 - Drones for Deploying Seismic Nodes: For Those Hard to Reach Places -** J.W. Levell[1]*, A.F. Clow[2], B. van Duijn[3], P. Franken[4], X. Campman[1] [1]Shell Global Solutions B.V., [2]Petroleum Development Oman, [3]Support XXL, [4]Skeye
10:55	**Th B 06 - METIS Hits The Ground in Papua New Guinea, a Field-Proof Innovative Method to Revolutionize Onshore Seismic Acquisition -** B. Pagliccia[1]*, K. Dalton[4], C. Walker[2], K. Elder[3], R. Jenneskens[5] [1]Total, [2]Geokinetics, [3]Wireless Seismic Incorporated, [4]RPS, [5]SeismicMechatronics
11:20	**Th B 07 - The Spectral Characteristics of Seismic Noise Recorded in an Urban Environment -** T. Dean[1]*, M. Al Hasani[1] [1]Curtin University
11:45	**Th B 08 - Land Piezoelectric Single Point High Density Seismic Technology -** J. Guan[1]*, X. Shang[1], Y. Gu[1], P. Sun[1] [1]SINOPEC
12:10	**Lunch break**

Rock Physics IV - Elastic and Electric Properties and Geothermal
J.A. Vargas-Guzman; J. Reyes Montes

13:30	**Th B 09 - Estimating Horizontal Resistivity Trends in Sedimentary Rocks: A Case Example from the Northern North Sea -** K. Duffaut[1]*, Y. Wang[1], J.I. Nordskag[2] [1]Norwegian University Of Science And Technology, [2]Statoil ASA
13:55	**Th B 10 - Cross-Property Relationship Between Velocity And Conductivity In Artificial Porous Sandstone With Aligned Fractures -** H. Tongcheng[1]*, Q. Li[1], J. Zhang[1] [1]China University of Petroleum
14:20	**Th B 11 - Modelling the Elastic and Electrical Properties of Rocks with Complex Pore Geometries -** P. Cilli[1]*, M. Chapman[1] [1]University Of Edinburgh
14:45	**Th B 12 - A Rock Physics Feasibility Study of the Geothermal Gassum Reservoir, Copenhagen Area, Denmark -** K. Bredesen[1]*, E. Dalgaard[2], A. Mathiesen[3], N. Balling[1] [1]Aarhus University, [2]Qeye, [3]Geological Survey of Denmark and Greenland
15:10	**Coffee break**

Seismic Attenuation - Theory And Practice II
G. Quiroga-Goode; M. van der Baan

15:30	**Th B 13 - Ultrasonic Attenuation Estimation based on Time-frequency Analysis -** F. Gao[1]*, J.X. Wei[1], B.R. Di[1], H.M. Su[1], L.B. Zeng[1] [1]China University Of Petroleum
15:55	**Th B 14 - Experimental Study on the Relationship between Q Value and Velocity -** S. Huang[1]*, B. Di[1], J. Wei[1], P. Ding[1], F. Gao[1], Z. Liu[1] [1]China University of Petroleum
16:20	**Th B 15 - Multi-well Study of Seismic Attenuation at the CO2CRC Otway Project Geosequestration Site -** A. Pirogova[1]*, R. Pevzner[1], B. Gurevich[1,2], S. Glubokovskikh[1], K. Tertyshnikov[1] [1]Curtin University, [2]CSIRO
16:45	**Th B 16 - An Attenuation Model from Dispersion Trends in North Sea Well Data -** V.A. Torres Caceres[1]*, A.J. Carter[2], K. Duffaut[1], A. Stovas[1] [1]Norwegian University Of Science & Technology, [2]No affiliation

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ROOM C

Land Seismic Noise Attenuation
M. Hall; M. Cvetkovic

08:30	**Th C 01 - Enhancing Challenging Prestack Data Using Local Summation Approaches -** M. Dmitriev[1]*, A. Bakulin[1], I. Silvestrov[1], M. Protasov[2], D. Neklyudov[2], K. Gadylshin[2] [1]Saudi Aramco, [2]Institute of Petroleum Geology and Geophysics SB RAS
08:55	**Th C 02 - Model-Based Surface Wave Analysis and Attenuation -** J. Bai[1]*, O. Yilmaz[1] [1]Paradigm Geophysical
09:20	**Th C 03 - Near-Surface Data-Driven Methods for Surface Wave and Multiple Removal, Onshore Kenya -** M. Miorali[1]*, K. Mills[1], M. Igoe [2], D. McClymont [2] [1]CGG, [2]Tullow Oil plc
09:45	**Th C 04 - Nonlinear Optimal Stacking for Enhancing Pre-Stack Seismic Data -** C. Wu[1]*, H. Wang[1] [1]Tongji University
10:10	Coffee break
10:30	**Th C 05 - The Use of Continuous Wavelet Transform for Ground-Roll Attenuation -** A. Tognarelli[1]* [1]University of Pisa
10:55	**Th C 06 - De-noising Strategy on Single-source Single-sensor Data: a Case Study from North Kuwait -** T. Rebert[1]*, J. Rivault[1], G. Gigou[1], L. Vivin[1], H. Toubiana[1], S. Baillon[1], A. Prescott[1], D. Le Meur[1], A. El-Emam[2], H. Bayri[2] [1]CGG, [2]KOC
11:20	**Th C 07 - Seismic Data Denoising for Complex Structure Using BM3D and Local Similarity -** H. Wang[1]*, S. Cao[1], K. Jiang[1], J. Xu[1], H. Chen[1] [1]China University of Petroleum
11:45	**Th C 08 - Residual Statics Correction Using Soft Thresholding of Singular Values and SURE Criterion -** M. Nazeri[1]*, H.R. Siahkoohi[1], A. Gholami[1] [1]University of Tehran
12:10	Lunch break

Carbonate Reservoirs II
S. Haq; B. Jaarsma

13:30	**Th C 09 - Porosity Variations of Chalk in the Danish Central Graben -** F. Mørk[1]*, F. Jakobsen[1], C. Andersen[1], L. Kristensen[1] [1]Geological Survey of Denmark and Greenland
13:55	**Th C 10 - Intra-Chalk Porosity Variations in Norway-Danish Central Graben: Integrated Mapping Using Broadband Elastic Attributes -** N. Pernin[1]*, T. Bird[1], C. Reiser[1] [1]PGS
14:20	**Th C 11 - Pulsed Neutron Log Applications on Permian Carbonates in a Gas Field -** B. Solarte[1]* [1]Linn Energy
15:10	Coffee break

Integration
L. Machhour; S. Maultzsch

15:30	**Th C 13 - Subsalt 3-D Modelling and HC Reservoir Prediction with Scarce 2-D Seismic Datasets: Can We Obtain Reliable Results? -** O. Petrovskyy[1]*, T. Fedchenko[1], N. Gangenko[1], V. Benko[2] [1]DEPROIL, [2]Burisma Group
15:55	**Th C 14 - RINGMesh: an Open Source Platform for Shared Earth Modeling -** F. Bonneau[1]*, A. Botella[3], A. Mazuyer[1], P. Anquez[1], B. Chauvin[4], G. Caumon[2] [1]RING - ASGA - GeoRessources/UL/CNRS/CREGU, [2]GeoRessources/UL/CNRS/CREGU, [3]ASGA - Total S.A., [4]Harvard University
16:20	**Th C 15 - Developing Viper-Kobra: Maximizing Recovery by Exploiting the Unique Characteristics of the Sand Injectite Environment -** I. Skjærpe[1]*, I. Tøllefsen[1], T. Endresen[1] [1]AkerBP ASA
16:45	**Th C 16 - Fast Map-Based Volumetric Simulation for Hydrocarbon Exploration -** A.J. Cherrett[1]*, I. Escobar[1], J. Lintott[2], C. Bugg[1] [1]Maersk Oil, [2]formerly Maersk Oil, now Gazprom Marketing and Trading

ROOM D

Sedimentology and Structural Regional Geology
J. Ringenbach; C. Le Turdu

08:30	**Th D 01 - West of Shetland Broadband 3D Seismic: Progressing Geological Understanding to Delineate Hydrocarbon Resource Potential -** K. Broadbent[1]*, M. Francis[1], A. Karvelas[1], O. Schenk[1], O. Shtukert[1] [1]WesternGeco
08:55	**Th D 02 - New Structural Observations from the Hungarian Paleogene Basin and their Impact on Hydrocarbon Exploration -** K. Fülöp[1]*, J. Witte[2], P. Maas[3], A. Manerikar[4] [1]O&GD Central Ltd., [2]Falcon Geoconsulting, [3]Maas Exploration Consulting Ltd., [4]Tiger Exploration Consulting Inc.
09:20	**Th D 03 - Influence of Pre-Existing Structures on Thrust Kinematics and Strain Partitioning at the Alpine-Carpathian Junction -** Beidinger[1]*, V. Schuller[1], K. Decker[2] [1]OMV, [2]University of Vienna
09:45	**Th D 04 - Cenozoic Tectono-Stratigraphic and Geodynamic Evolution of the Eastern Strike-Slip Margin of the Arabian Plate -** J. Robinet[1,2,3]*, P. Razin[2], S. Leroy[3], J. Serra-Kiel[4], A. Gallardo-Garcia[4], J. Roger[4], C. Grelaud[2], B. Carayon[2] [1]Total, CSTJF-ISS/CRB, [2]ENSEGID–IPB, [3]Sorbonne Université, [4]University of Barcelona, [5]ex-BRGM
10:10	Coffee break

Passive Margins - Tectonics and Sedimentation
J.C. Lüthje; L.M. Larsen

10:30	**Th D 05 - Structure of the Wyville-Thomson Ridge: Reducing Uncertainty by Integrated Potential Fields and Seismic Interpretation -** B.A.S. Haworth[1]*, S.J. Rippington[2] [1]ARK CLS, [2]Astute Geoscience Ltd. UK - University of Leicester
10:55	**Th D 06 - Deformable Plate Reconstructions: Modelling the Relationship between Hyperextension, Basin Evolution and Flexural Uplift -** R. Whittaker[1]*, B. Ady[1] [1]GeoArctic Ltd.
11:20	**Th D 07 - Evidence for a More Complex Crustal Setting Offshore Gabon: Support from a High-Resolution Regional Seismic Dataset Int -** P. Martinez Duran[1]*, M. Pearsons[2], W. Soyer[2], G. Duval[3] [1]CGG, Geoconsulting, [2]CGG, Multi-Physics Imaging, [3]CGG, Multi-Client and New Ventures
11:45	**Th D 08 - Petroleum Habitat and New Exploration Opportunities in the Frontal Part of the Polar Urals Foreland Thrust Belt -** K. Sobornov[1]*, V. Kolesnik[2], V. Zhemchugova[3], N. Nikonov[4] [1]NUPCo, [2]Gazprombank, [3]GSD, [4]TP NIC
12:10	Lunch break

Chemical EOR II
L. Hendraningrat

13:30	**Th D 09 - In-Depth Reservoir Placement of pH-Sensitive Polymer Gels - Importance of Geochemical Reactions in Numerical Simulations -** A. Jahanbani Ghahfarokhi[1,2]*, J. Kleppe[1], O. Torsaeter[1,2] [1]Norwegian University of Science and Technology, [2]PoreLab – Norwegian Centre of Excellence
13:55	**Th D 10 - Dynamic Interactions of Water Ions at Carbonate/Brine Interfaces: Electrokinetic Studies II -** M.B. Al-Otaibi[1]*, D.K. Cha[1], A.A. Yousef[1] [1]Saudi Aramco
14:20	**Th D 11 - Experimental Investigation of the Performance of Low Salinity Carbonated (CO2-Saturated) Brine Injection as a Novel EOR -** M. Seyyedi[1], M. Sohrabi[2], M. Sheydaeemehr[3]* [1]University of Calgary, [2]Heriot-Watt University, [3]Petroleum University of Technology
14:45	**Th D 12 - What's New with Sclero? Laboratory Study of an EOR-Grade Scleroglucan for Polymer Flooding and Conformance Control -** R. Fournier[1]*, J.T. Tiehi[1], A.Z. Zaitoun[1] [1]POWELTEC
15:10	Coffee break
15:30	**Th D 13 - Numerical Simulation of Polymer Flooding in a Heterogeneous Reservoir - Constrained Vs Unconstrained Optimization -** E. Ibiam[1]*, S. Geiger[1], D. Arnold[1], V. Demyanov[1] [1]Heriot-Watt University
15:55	**Th D 14 - Pre-Qualification of a Polymer for Offshore Application -** C. Burmester[1], K. Schulze[1], T. Dose[1]* [1]Dea Deutsche Erdöl AG
16:20	**Th D 15 - Polymer Injection - A Holistic Approach to Optimize the Value of Development -** D. Morel[1]*, S. Jouenne[1], M. Bourgeois[1], J. Hy-Billiot[1], G. Bourdarot[1], P. Cordelier[1] [1]TOTAL

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

ROOM E

Seismic Modelling II
G. Lambaré

08:30	**Th E 01 - Understanding the imaging challenges at the Frigg Gamma discovery -** E.B. Raknes[1]*, A. Osen[1], R.S.H. Pettersen[1], E. Rykkelid[1], Ø. Runde[1] [1]Aker BP
08:55	**Th E 02 - Modeling Acoustic Wave Propagation in Variable Density Media with a New Efficient Stencil -** J. Wang[1]*, Y. Liu[1], H. Zhou[1] [1]China University of Petroleum
09:20	**Th E 03 - Nonlinear Isotropic Elastic Multiparameter Inversion with Multicomponent P-wave Second-order Born Approximation -** W. Ouyang[1]*, W.J. Mao[1] [1]RCCEG, SKLGED, CAS
09:45	**Th E 04 - Forward Kirchhoff Modelling to Evaluate Potential Interpretation Pitfalls beneath Sub-vertical Velocity Discontinuities -** L. Zühlsdorff[1]*, A. Atkinson[2], H. Gjøystdal[1], T. Kaschwich[1], A.J.S. Wilson[3] [1]NORSAR, [2]AA Geophysical Ltd, [3]Nexen Petroleum UK Ltd
10:10	Coffee break
10:30	**Th E 05 - High-order Time Accuracy Fractional Laplacian Viscoacoustic Simulation Scheme Using Nonstandard Pseudospectral Method -** N. Wang[1]*, H. Zhou[1], H.M. Chen[1], Y.F. Wang[1], X.B. Zhao[1], J.W. Fang[1] [1]China University of Petroleum
10:55	**Th E 06 - Efficient Modelling and imaging in Viscoelastic Media Using GPUs -** M. Sarajaervi[1]*, H. Keers[2] [1]Schlumberger, [2]University of Bergen
11:20	**Th E 07 - Exact Analytical Solution of the Lame Equation in Multilayered Viscoelastic Media -** M. Zuev[1], G. Goloshubin[2]*, P. Petrov[3], O. Yilmaz[4], M. Magomedov[1] [1]WaveLab, [2]University of Houston and Tyumen Industrial University, [3]LBNL, [4]Anatolian Geophysical
11:45	**Th E 08 - A First-order qSV-wave Propagator in 2D VTI Media -** H. Liu[1]*, B. Wang[1], M. Ali[2], G. Tao[2], W.Z. Yue[1], H. Sun[1] [1]China University of Petroleum, [2]Khalifa University of Science and Technology
12:10	Lunch break

Seismic Modelling III
R. Brossier; V. Puzyrev

13:30	**Th E 09 - Numerical Analyses of Seismic Anisotropic Anomalies Resulting from Fracture Weakness-Related Parameters of Fractured Por -** X. Chen[1]*, W. Jiang[1], B. Lv[1], L. Qu[1], J. Li[1], B. Gou[1] [1]Chengdu University of Technology
13:55	**Th E 10 - Micro-seismic Wave Simulation with the Effect of Pore Pressure During Hydraulic Fracturing -** K. Peng[1]*, Y. Rao[1], Y. Wang[2] [1]China University of Petroleum, [2]Center for Reservoir Geophysics
14:20	**Th E 11 - Removal of Time-varying Sea Surface Effects from Seismic Data -** E. Cecconello[1]*, E.G. Asgedom[2], W. Söllner[2] [1]PGS/UiO, [2]PGS
14:45	**Th E 12 - The Impact of Reservoir Heterogeneities on P-wave Propagation at Low Frequencies – Examples from the North Sea -** E. Chabyshova[1]*, G. Goloshubin[1], S. Ahmad[2] [1]University Of Houston, [2]University of Stavanger
15:10	Coffee break
15:30	**Th E 13 - Upscaling Effective Biot Theory to Poro-Viscoelastic Models -** S. Greenhalgh[1]*, X. Liu[1] [1]King Fahd University of Petroleum & Minerals
15:55	**Th E 14 - Geophysical Parameters' Estimation Using Modified Collocated CoKriging -** F. Han[1]*, H. Zhang[1], Q. Guo[1], Z. Shang[1] [1]Hohai University
16:20	**Th E 15 - Finite Difference Modelling Applied to 3D/2D Walk-away VSP to Assess Carbonatic Reservoir Geometry Uncertainty -** D. Maggi[1]*, C. Fortini[1], M. Ferla[1] [1]Eni
16:45	**Th E 16 - Poroelastic Seismic Modelling Using the Viscosity-extended Biot Framework -** B. Zhang[1]*, V. Puzyrev[2], V. Calo[2,3], D. Yang[1], T. Müller[3] [1]Tsinghua University, [2]Curtin University, [3]CSIRO

ROOM F

Potential Field Methods I
T. Archer; L. Masnaghetti

08:30	**Th F 01 - Derivatives, Tensons and Invariant Imaging for Qualitative Interpretation -** M. Zengerer[1]* [1]Gondwana Geoscience
08:55	**Th F 02 - Inverse Problem Resolution Using Geologically Conditioned Gradient-Based Regularization – Application to the Yerrida Bas -** J. Giraud[1]*, M. Lindsay[1], O. Vitaliy[1], R. Martin[2], E. Pakyuz-Charrier[1], M. Jessell[1] [1]University Of Western Australia, [2]Observatoire Midi-Pyrénées, Géosciences Environnement Toulouse
09:20	**Th F 03 - 3D Stochastic Inversion of Airborne Gravity Gradient Data - Case Example over the Karasjok Greenstone Belt -** Jirigalatu[1]*, J. Ebbing[1] [1]Kiel University
09:45	**Th F 04 - The Downward Continuation of Potential Field Data -** G.R.J. Cooper[1]* [1]University of the Witwatersrand
10:10	Coffee break
10:30	**Th F 05 - Numerical Solution of Mean-Value Theorem for Downward Continuation of Potential Fields -** C. Zhang[1]*, Q. Lv[1], J. Yan[1] [1]Chinese Academy of Geological Sciences
10:55	**Th F 06 - Automatic Estimation of Regularization Parameter by Generalized Cross Validation (GCV) Method in 3-D Smooth Inversion -** S. Valii[1], A. Nejati kalate[1], M. Rezaie[2], M. Moghadasi[1]* [1]Shahrood University of Technology, [2]Malayer University
11:20	**Th F 07 - Improved Compact Inversion Approach For 2D Gravity Data Modelling Using Probabilistic Bounds -** R. Srivastava[1]*, A. Kumar Basantaray[1], A. Mandal[1] [1]Indian Institute of Technology Kanpur
12:10	Lunch break

Permanent Reservoir Monitoring
G.F. Watts; P. Hatchell

13:30	**Th F 09 - Johan Sverdrup Permanent Reservoir Monitoring. Layout Planning of the Seismic Cables -** C. Fayemendy[1]*, M.G. Schubert[1], O. Lyse[1], S. Winterstø[1] [1]Statoil ASA
13:55	**Th F 10 - The Evolution of 4D Monitoring at the Valhall Field, from Permanent Cables to Retrievable Nodes -** R. Milne[1]*, J. Kommedal[1], E. Kjos[1], M. Porter[2] [1]Aker BP, [2]WesternGeco
14:20	**Th F 11 - The Analytics of Things Applied to Permanent Reservoir Monitoring -** M. Thompson[1]*, Å. Pedersen[1], E. Sadikhov[1], K. Simonsen[1], D. Irving[2], J. McConnell[2] [1]Statoil ASA, [2]Teradata Norge AS
14:45	**Th F 12 - Preparing for Geophysical Surveillance at Wisting -** H.H. Veire[1]*, J.R. Granli[1], E. Stueland[1], K. Krathus-Larsen[1], E. Angerer[2] [1]OMV (Norge), [2]OMV GmbH
15:10	Coffee break
15:30	**Th F 13 - 3D VSP for Monitoring of the Injection of Small Quantities of CO2 – CO2CRC Otway Case Study -** K. Tertyshnikov[1]*, H. AlNasser[1], R. Pevzner[1], M. Urosevic[1], A. Greenwood[2] [1]Curtin University, [2]University of Lausanne
15:55	**Th F 14 - Permanent Buried-receiver Monitoring of CO2-EOR Pilot in Onshore Carbonate Reservoir -** A. Bakulin[1], R. Smith[1]*, M. Jervis[1] [1]Saudi Aramco, EXPEC Advanced Research Center
16:20	**Th F 15 - Initial Results of Time-Lapse Processing of VSP Geophone and DAS Fiber-Optic Cable at Aquistore CO2 Injection Site, Sask -** S. Cheraghi[1]*, D. White[1], K. Harris[1], B. Roberts[1] [1]Natural Resources Canada
16:45	**Th F 16 - Feasibility of Passive Vertical Seismic Profiling Using Distributed Acoustic Sensing for Monitoring Applications -** R. Pevzner[1]*, K. Tertyshnikov[1], A. Bona[1] [1]Curtin University

Note: technical programme version - 15 April 2018.

Oral presentations Thursday 14 June

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

ROOM G		ROOM H	
Naturally Fractured and Tight Reservoirs S. Seyum		**Source Rocks and Petroleum Systems** P. Karnkowski; J. Huang	
08:30	**Th G 01 - Controls on Fracture Density and Size: Insights from Dynamic Modelling -** M. Welch[1]*, M. Luthje[1] [1]Danish Hydrocarbon Research And Technology Centre	**08:30**	**Th H 01 - The Middle Jurassic Coaly-Sourced Petroleum System in the Danish North Sea – An Overlooked Exploration Target? -** H. Petersen[1]*, M. Hertle[1], E. Mauritzen[1] [1]Maersk Oil
08:55	**Th G 02 - Systematic Hybrid Modelling Using Fracture Subset Upscaling -** D.L.Y. Wong[1]*, F. Doster[1], S. Geiger[1], A. Kamp[2] [1]Heriot-Watt University, [2]Total S.A.	**08:55**	**Th H 02 - Oil Maturity, Families and Oil-Source Rock Correlations in the Danish North Sea Based On Biomarker Studies -** N. Schovsbo[1]*, E. Thomsen[1], H.P. Nytoft[1], K.H. Esbensen[2] [1]GEUS, [2]KHEConsulting, GEUS
09:20	**Th G 03 - Estimation of Elliptical Natural-Fracture Geometry from Borehole Images -** M. Lefranc[1]*, M.D. Prange[1] [1]Schlumberger	**09:20**	**Th H 03 - Variations in Source Rock Potential within the Upper Jurassic – Lowermost Cretaceous in the Danish North Sea Sector -** L. Ponsaing[1]*, J. Bojesen-Koefoed[1], E. Thomsen[1], L. Stemmerik[2] [1]Geological Survey of Denmark and Greenland, [2]Natural History Museum of Denmark
09:45	**Th G 04 - Fractured Basement Initial Identification Methodology -** K. Rodriguez[1]*, N. Hodgson[1], A. Intawong[1] [1]Spectrum Geo	**09:45**	**Th H 04 - Petroleum System Modeling in the Southern Gulf Of Mexico, A New Frontier Exploratory Approach -** H. Villarroel[1], K. Kornpihl[2], J. Hernandez[1], M. El-Toukhy[1], R. Ysaccis[1]*, K. Lyons[1], M. Mikhaltsev[1], F. Snyder[1], L. Mulisheva[1] [1]WesternGeco, [2]WesternGeco
10:10	**Coffee break**	**10:10**	**Coffee break**
10:30	**Th G 05 - Geomechanic Modeling of Rock Failure Accounting for Seismic Emission and Its Comparison to Seismic Moment-Tensor Model -** G. Loginov[1]*, A. Duchkov[1], Y. Stephanov[1], A. Myasnikov[2] [1]IPGG SB RAS, [2]Skoltech, [3]Novosibirsk State University	**10:30**	**Th H 05 - Oil Sources and Occurrences in Central Adriatic - New Insights and Residual Potential through 1d/2d Basin Modelling -** L. Lipparini[1]*, L. Lipparini[1]*, A. D'Ambrosio[1], F. Trippetta[1], J.F. Derks[1], V. Roblet-Bambridge[1] [1]Sapienza University of Rome
10:55	**Th G 06 - Utilising Borehole Images and Acoustic Deep Shear Wave Imaging in the Evaluation of Fractured Basement -** S.R. Fayers[1]*, S.A. Morris[1], M. Holland[1], L. Hynes[1], T. Bradley[1], L. Hauge Solberg[1], D.F. Øpsen[2], T.H. Uist[2] [1]Baker Hughes a GE company, [2]Wintershall Norge AS	**10:55**	**Th H 06 - Unleashing Hydrocarbon Show Data in Exploration and Well Planning -** G. Hoetz[1]*, S. Korevaar[2] [1]EBN, [2]Utrecht University
11:20	**Th G 07 - Numerical Simulation of an Iranian Fractured Reservoir, Considering Faults' Effects on Fracture Creation-A Case Study -** S. Ghorashi[1]*, L. Monghad[1], E. Kazemzadeh[1] [1]Research Institute Of Petroleum Industry	**11:20**	**Th H 07 - Geochemistry of Shale Gases from around the World -** A.V. Milkov[1]*, G. Etiope[2] [1]Colorado School Of Mines, [2]Istituto Nazionale di Geofisica e Vulcanologia
11:45	**Th G 08 - The New Improving Porosity Estimation Method for Tight Sands Using AVO Fluid Inversion with Geostatistics -** X. Sun[1], Y. Yu[1]*, L. Li[1], X. Zhang[1] [1]PetroChina	**11:45**	**Th H 08 - North Atlantic Permian–Triassic Syn- and Post-rift Plays - Analogues from East and Northeast Greenland -** G. Dam[1]*, J. Bojesen-Kofoed[1], M. Bjergager[1], P. Guarnieri[1], L. Stemmerik[2] [1]GEUS, Geological Survey of Denmark and Greenland, [2]The Museum of Natural History, University of Copenhagen, Øster Voldgade 10, DK-1350 Copenhagen K, Denmark
12:10	**Lunch break**	**12:10**	**Lunch break**
Fracture Characterization in Chalk (Dedicated Session) M. Welch; M. Luthje		**Borehole Seismic Acquisition, Processing and Interpretation** F. Steinhoff; A. Al-Mustafa	
13:30	**Th G 09 - Relation Between Facies and Fracturing In Chalk Outcrops - The Importance of Early Polygonal Fracture Systems in Understa -** B.D.M. Gauthier[1]*, C. Allanic[2], E. Lasseur[2], O. Faÿ-Gomord[3], Y.M. Leroy[4] [1]Total SA, [2]BRGM, [3]KU Leuven, [4]Total SA	**13:30**	**Th H 09 - Vertical-Seismic Profiling Using a Hybrid Tool, Combining Three-Component Geophones with DAS Sensors -** J. Haldorsen[1]*, L. Jahren[1], M. Milenkovic[1], T. Hilton[1] [1]READ AS
13:55	**Th G 10 - Characterisation of a Fractured Aquifer Using Open-Well Dilution Tests -** P. Agbotui[1]*, J. West[1], S. Bottrell[1] [1]University of Leeds	**13:55**	**Th H 10 - Hybrid 3D VSP Using Fiber-Optic Technology and a Conventional Borehole Seismic Array Tool -** T. Kimura[1]*, K. Suzuki[1], S. Ali[1], J. Breninger[2], J. Tessman[2], I.Z. Mahmoud[3], S. Hajjaj[3] [1]Schlumberger, [2]Occidental Petroleum, [3]Qatar Petroleum
14:20	**Th G 11 - Comparing Ultra Sonic Velocities from the Upper and Lower Createous from the North Sea -** J. Regel[1]*, H. Christensen[1], F.P. Ditlevsen[2] [1]Geo, [2]Maersk Oil and Gas	**14:20**	**Th H 11 - Effect of the Angular Response of a Fiber-Optic Cable on DAS VSP Recordings in Lateral Wells -** M.E. Willis[1]*, X. Wu[1], A. Padhi[1], A. Ellmauthaler[1], M. LeBlanc[1] [1]Halliburton
14:45	**Th G 12 - Cementation of Chalk and Fractures in a Naturally Fractured Reservoir: Petrographic and Isotopic Implication (The Kraka -** A.C. Glad[1]*, F. Amour [1] [1]DHRTC	**14:45**	**Th H 12 - Use of Long Gauge Length Distributed Acoustic Sensing for Improved Spatial Resolution of First Break Detection in Vertic -** M. LeBlanc[1]*, A. Ellmauthaler[1], M. Willis[1], X. Wu[2] [1]Halliburton, [2]Halliburton
15:10	**Coffee break**	**15:10**	**Coffee break**
15:30	**Th G 13 - F17 Chalk Fracture Model -** Z. Wang[1]*, R. Bachmann[1], J.C.P. Pipping[1] [1]Wintershall Noordzee BV	**15:30**	**Th H 13 - A Methodology of Shot Point Regularization and Trace Interpolation in 3DVSP -** M. Lou[1]*, H. Simpson[1] [1]Baker Hughes
15:55	**Th G 14 - Fracture Enhanced Chalk Matrix Permeability as a Driver for Completion Strategy. Curlew C Field, Block 29/7, UKCNS -** S. Large[2], A. McQueen[1], N. Stewart[1]*, T. Calder[1], D. Long[1], C. Lovelock[1] [1]Shell U.K. Ltd, [2]Brunei Shell Petroleum	**15:55**	**Th H 14 - Imaging of a Complex Wadi Using Walkaway VSP Data -** C. Planchart[1]*, S. Bubshait[1], S. Seeni[1] [1]Saudi Aramco
16:20	**Th G 15 - Fractures in Chalks and Marls of the Shetland Group in the Gullfaks Field, North Sea -** O.P. Wennberg[1]*, B. Graham Wall[2], E. Sæther[1], S. Jounoud[1], A. Rozhko[3], M. Naumann[1] [1]Statoil ASA, [2]Statoil ASA, [3]Statoil ASA	**16:20**	**Th H 15 - Elastic Anisotropy from Walkaway VSP and Sonic Data Recorded in the North Sea -** C. Mogensen[1]*, M. Lal Khaitan[2], R. Guerra[3], L. Dahlhaus[4], S. Leaney[5], J. Jocker[6], E. Wielemaker[6] [1]INEOS Oil & Gas DK, [2]Schlumberger, [3]Schlumberger, [4]Schlumberger, [5]Schlumberger, [6]Schlumberger
16:45	**Th G 16 - Experimental Investigations of Mechanical and Flow Properties of a Natural Fracture in an Argillaceous Chalk Reservoir -** M. Naumann[1]*, A.Y. Rozhko[2], O.P. Wennberg[1], S. Jonoud[1] [1]Statoil ASA, [2]Statoil ASA	**16:45**	**Th H 16 - Crosshole Seismic Testing (CST) for Studying the Section at the Construction Sites of Highly Sensitive Facilities -** A. Oshkin[1], V. Ignatev[2], A. Konkov[2,3]*, N. Ragozin[4], A. Shuvalov[3] [1]Neogen LLC, [2]Geodevice LLC, [3]Saint Petersburg University, [4]Institute "Orgenergostroy"

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ROOM I

Well Performance And Optimization (SPE)
D.J. Oppelt; T. Whittle

08:30	**Th I 01 - Near Wellbore Two-phase Effect of a Light Oil Field (SPE-190772-MS) -** Z. Zhou[1]* [1]Eni S.p.A.
08:55	**Th I 02 - Field-Scale Production Optimization with Intelligent Wells (SPE-190827-MS) -** O. Ilamah[1]* [1]Nexen Petroleum UK Ltd
09:20	**Th I 03 - Real-Time Downhole Measurements During Coiled Tubing Campaign Brings Wells Back to Life (SPE-190874-MS) -** C. Sorensen[1]* [1]Schlumberger
09:45	**Th I 04 - Performance Prediction for Dynamic Autonomous Flow Control Valves (SPE-190816-MS) -** I. Soerheim[1]* [1]Norwegian University of Science and Technology
10:10	Coffee break
10:30	**Th I 05 - Replacing Mud Pulse Telemetry with an Electromagnetic System (SPE-190766-MS) -** I. Lunney[1]* [1]Halliburton
10:55	**Th I 06 - A Composite Transient Model for Multi-Fractured Horizontal Well in Tight Gas Reservoirs Based on Multi-Factor Effect (SPE-190873-MS) -** L. Cao[1]* [1]China ZhenHua Oil Co., Ltd.
11:20	**Th I 07 - New Fracture Hydrodynamics and In-Situ Kinetics Model Supports Comprehensive Hydraulic Fracture Simulation (SPE-190760-MS) -** I. Velikanov[1]* [1]Schlumberger
11:45	**Th I 08 - Acid Jetting on Carbonate Rocks - A Computational Fluid Dynamics Study at Laboratory Scale (SPE-190849-MS) -** V. Mpon A Ndonhong[1]* [1]Texas A&M University
12:10	Lunch break

EOR/IOR Strategies and Recovery Optimisation III (SPE)
R. Hincapie; H. Jutila

13:30	**Th I 09 - Evaluation and Optimization of Smart Water Injection for Fractured Reservoir (SPE-190854-MS) -** A. Kamp[1]*, N. Agenet[1] [1]Total SA
13:55	**Th I 10 - Design Aspects Of Complex Toe-To-Heel Flooding (SPE-190831-MS) -** A. Algarhy[1]* [1]Texas Tech University
14:20	**Th I 11 - CSS - Strategies to Recovery Optimization (SPE-190791-MS) -** E. Trigos[1]* [1]Mansarovar Energy Colombia Ltd
14:45	**Th I 12 - Study of the Feasibility of the Carbon Dioxide Injection in a North Sea Petroleum Reservoir (SPE-190783-MS) -** W. Almasri[1]* [1]Technical University of Denmark
15:10	Coffee break
15:30	**Th I 13 - Effect of a Polymer Solution Degradation at Reservoir Conditions, in a Polymer Flood Pilot Test Performed in an Extra Heavy Oil Reservoir. Orinoco Basin, Venezuela (SPE-190850-MS) -** A. Ramirez[1]* [1]PDVSA Petrocedeño
15:55	**Th I 14 - Viscous Oil Recovery by Polymer Injection - Impact of In-Situ Polymer Rheology on Water Front Stabilization (SPE-190866-MS) -** B. Vik[1]* [1]Uni Research, CIPR
16:20	**Th I 15 - Pore-To-Core EOR Upscaling of CO2-Foam for CCUS (SPE-190869-MS) -** A.U. Rognmo[1]* [1]University of Bergen
16:45	**Th I 16 - Improving Oil Recovery Using Sub-Micron Particle Gel for Sandstone Reservoirs (SPE-190857-MS) -** A. Almohsin[1]* [1]Saudi Aramco

ROOM J

EOR/IOR Strategies and Recovery Optimisation II (SPE)
C. Coll; R. Hincapie

08:30	**Th J 01 - Biopolymer Injection in Offshore Single-Well Test (SPE-190758-MS) -** J. Beeder[1]* [1]Statoil ASA
08:55	**Th J 02 - NanoSurfactant - A Novel Nanoparticle-Based EOR Approach (SPE-190861-MS) -** A. Abdel-Fattah[1]* [1]Saudi Aramco
09:20	**Th J 03 - Novel Evaluation of Foam and Immiscible Gas Flooding in Glass-Silicon-Glass Micromodels (SPE-190815-MS) -** F. Hauhs[1]* [1]Clausthal University of Technology
10:10	Coffee break
10:30	**Th J 05 - Evaluation of Aluminium Oxide and Titanium Dioxide Nanoparticles for EOR Applications (SPE-190872-MS) -** A.S. Hogeweg*[1] [1]Clausthal University of Technology
10:55	**Th J 06 - Silica Nanoparticles Suspension for Enhanced Oil Recovery - Stability Behavior and Flow Visualization (SPE-190802-MS) -** S. Li[1]* [1]A*STAR
11:20	**Th J 07 - An Experimental Investigation of Immiscible CO2 Flooding Efficiency in Sandstone Reservoirs - Influence of Permeability Heterogeneity (SPE-190876-MS) -** D. Al-Bayati[1]* [1]Curtin University
11:45	**Th J 08 - Modeling and Simulating Multi-Polymer Injections (SPE-190759-MS) -** C. Preux[1]* [1]IFP Energies Nouvelles
12:10	Lunch break

Estimating Permeability I
A. Gringarten

13:30	**Th J 09 - Permeability Prediction Using Artificial Neural Network and Least Square Support Vector Machine Methods -** M. Jamalian[1]*, H. Safari[1], M. Goodarzi[2], M. Jamalian[3] [1]Islamic Azad University, [2]Iranian Offshore Engineering and Construction Company, [3]Petropars Group
13:55	**Th J 10 - Multi-Scales Permeability Tensors: a New and Disruptive Approach Through Dynamic Analogues in Groundwater Reservoirs -** G. Massonnat[1]*, J. Rolando[1], C. Danquigny[1] [1]Total
14:20	**Th J 11 - Intrinsic Permeability Estimation in Clastic Rocks and Its Dependency on the Grain Size -** H. Jurcic[1]*, O. Hausberger[1] [1]OMV E&P
14:45	**Th J 12 - Shape Index: A Refraction Attribute to Detect Fractures and Permeable Bodies -** J.L.O. Mari[1]*, A.I. Lopez[2], B. Benjumea[2], J.L. Garcia-Lobon[3] [1]IFP Energies Nouvelles, [2]Cartographic and Geological Institute of Catalonia, [3]Instituto Geologico y Minero de Espana
15:10	Coffee break

Stimulation - Hydraulic Fracturing
M. King

15:30	**Th J 13 - Experimental and Numerical Study of the Stability of Radially Jet Drilled Laterals in Chalk Reservoirs -** M. Medetbekova[1]*, S. Salimzadeh[1], H. Christensen[2], H. Nick[1] [1]Danish Hydrocarbon Research and Technology Centre, [2]Geo
15:55	**Th J 14 - Finite Element Studies on Characterization of Near Wellbore Fracture Using Wireline Formation Tester -** D. Dejia[1]*, Z. Tongyi[1], D. Juan[1], W. Qiong[1] [1]SINOPEC
16:20	**Th J 15 - A Numerical Study of Fractured Reservoirs' Productivity Behavior through Coupled Hydromechanical Model -** T. Kadeethum[1]*, M. Veshareh[1], S. Salimzadeh[1], H. M. Nick[1] [1]The Danish Hydrocarbon Research and Technology Centre

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ROOM K

Seal Analysis - From Pore to Basin Scale (Dedicated Session)
J. Biteau; O. Broucke

08:30	**Th K 01 - Fault Seal Versus Hydrodynamics in the South Lokichar Basin, Kenya -** R. Tozer[1]*, N. Bedayse[1], H. Cromie[1], E. Ferguson[1], C. Hamilton[1], P. Hillock[1], E. Mauritzen[1], H. Olsen[1], H. Rothl[1], S. Shahrzad[2], S. Thackrey[1], K. Zinck-Joergensen[1] [1]Maersk Oil / Total, [2]University of Copenhagen
08:55	**Th K 02 - Fault Seal Analysis Using Well and Seismic Data -** S. Klarner[1]*, D. Kirnos[1], O. Klarner[1], O. Zhukova[2], G. Voykov[2] [1]Klarenco, [2]Venineft
09:20	**Th K 03 - Fault-seal Analysis in Pannonian Reservoirs - Examples from the Derecske Trough, Eastern Hungary -** J. Witte[1]*, A. Várkony[2], M. Olsen[2], M. Larsen[3], A. Manerikar[4] [1]Falcon Geoconsulting, [2]O&G Development Kft, [3]Stoney Coteau Ventures, [4]Tiger Exploration Consulting
09:45	**Th K 04 - Quantitative Fault Sealing Analysis in the WJ Block, South Sumatra Basin -** Z.H. Bai[1]*, G.C. Hu[1], H.Z. Zhu[1], M. Li[1], X.W. Kong[1] [1]PetroChina
10:10	**Coffee break**
12:10	**Lunch break**

Rift Systems I
W. Athmer; C. Shrivastava

13:30	**Th K 09 - Multi-Reactivated Extensional Domains: A Case Study from the Utsira High-Stord Basin (North Sea - Norway) -** V. Scisciani[1], N. D'Intino[1], P. Esestime[2]* [1]Department of Engineering and Geology - G. d'Annunzio University of Chieti and Pescara, [2]Spectrum Geo Ltd.
13:55	**Th K 10 - Controlling Effect of Tectonic Activities on the Sedimentation in Passive Rift Basins during the Initial Rift Period: A -** B. Zhang[1]* [1]PetroChina
15:10	**Coffee break**

Non-Conventional Geophysical Methods
E. Issawy; E. Muijzert

15:30	**Th K 13 - The Seismoelectric Coupling in Shale -** R. Peng[1,2]*, B. Di[1], J. Wei[1], P. Glover[2], P. Lorinczi[2], P. Ding[1], Z. Liu[1] [1]China University of Petroleum, [2]University of Leeds
15:55	**Th K 14 - A Comparison of Machine Learning Processes for Classification of Rock Units Using Well Log Data -** V. Carreira[1]*, C. Ponte Neto[1], R. Bijani[1] [1]Observatório Nacional
16:20	**Th K 15 - Fast Three-dimensional Inversion of Logging While Drilling and Induction Logging Data -** D. Marchant[1]*, C. Schwarzbach[1], B. Karry[1], E. Haber[2] [1]Computational Geosciences Inc, [2]University of British Columbia
16:45	**Th K 16 - Visualization of Local Scale Deposition in Pipe Conduit Due to Fluid Resources Production -** M. Iwata[1]*, H. Mikada[1], J. Takekawa[1] [1]Kyoto University

ROOM L

EOR Gas Injection
D.S. Geiger; A.A. Eftekhari

08:30	**Th L 01 - The Impact of Geoscience and Engineering Work on Petroleum Reserves Estimation -** Ø. Bøe[1]* [1] Statoil
08:55	**Th L 02 - Stochastic Optimization of a Water-Alternating-Gas Injection Scheme -** C. Marques[1]*, O. Fabusuyi[1], R. Caetano [1], M.L. Soares [2], M.J. Pereira [1], M.T. Ribeiro [2], L. Azevedo [1] [1]CERENA, Instituto Superior Tecnico,University of Lisboa, [2]Partex Oil and Gas
09:20	**Th L 0r - Modelling Nitrogen Gas-Assisted Gravity Drainage for Enhanced Oil Recovery in a Fractured Media -** M. Bazargan[1]*, P. Broumand[2], A. Gudmundsson[1] [1]Royal Holloway University of London, [2]Shiraz University
09:45	**Th L 04 - Accurate Estimation of Minimum Miscibility Pressure During Nitrogen Injection into Hydrocarbon Reservoirs -** A. Rostami[1], A. Kamari[2], E. Joonaki[1,3], S. Ghanaatian[1,3]* [1]Petroleum University of Technology, [2]Kansas State University, [3]Hydrafact Ltd, Heriot-Watt University
10:10	**Coffee break**
10:30	**Th L 05 - CO2 EOR Potentials in Indonesia: Towards the Second Life of National Oil Production -** T. Ariadji[1]*, P. Abdul Aziz[1], A. Wardhana Bachtiar[2], I. Primasari[2], B. Lubiantara[3], A. Ardjuna[3], A. Iskandar[3] [1]Bandung Institute Of Technology, [2]Pertamina EP, [3]SKK Migas
10:55	**Th L 06 - The Complimentary Approaches in Novel Water/N2 Emulsion Stability -** B. Dehdari[1]*, R. Parsaei[1], M. Riazi[1] [1]Shiraz University
12:10	**Lunch break**

Reservoir Characterization, Surveillance and Management (SPE)
T. Manai; B. Stewart

13:30	**Th L 09 - Pressure Detrending for Harmonic Pulse Test Data Preprocessing (SPE-190879-MS) -** D. Viberti[1]* [1]Politecnico di Torino
13:55	**Th L 10 - Open Source Toolkit for Micro-Model Generation Using 3D Printing (SPE-190852-MS) -** N. Alyafei[1]* [1]Texas A&M University At Qatar
14:20	**Th L 11 - Effect of Variation in Fractures Conductivity and Well Location on Pressure Transient Response from Fractured Reservoirs (SPE-190884-MS) -** D. Egya[1]* [1]Heriot-Watt University
14:45	**Th L 12 - Successful Application of an Integrated Workflow for Seismic Reservoir Characterisation - From Thin Sections to Seismic Scale (SPE-190771-MS) -** R. Tagliamonte[1]* [1]Eni S.p.A.
15:10	**Coffee break**
15:30	**Th L 13 - Selecting a Horizontal Well Candidate in the Black Sea for Refracturing with Flow Diverting Technology (SPE-190839-MS) -** B. Reilly[1]* [1]Halliburton
15:55	**Th L 14 - Evolution of Permeability in Sand Injectite Systems (SPE-190853-MS) -** Y. Hu[1]* [1]University of Aberdeen
16:20	**Th L 15 - Parameter Estimation from Sandface Drawdown Temperature Transient Data in the Presence of a Skin Zone Near the Wellbore (SPE-190773-MS) -** M. Onur[1], F. Panini[2]* [1]University of Tulsa, [2]Politecnico di Torino
16:45	**Th L 16 - Calculation of Relative Permeability using Well Test Data in Gas-Condensate Reservoirs (SPE-190878-MS) -** I. Al Abdulwahab[1]* [1]Heriot-Watt University

Note: technical programme version - 15 April 2018.

e-Poster presentations Thursday 14 June

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

E-POSTERS 1

Poster: Time-lapse Acquisition and Processing
R. Kumar; O.I. Barkved

08:30 **Th P1 01 - The Effect of Deghosting on the 4D Response: Usan Field, Nigeria -** P. Agnisola[1]*, R. O'Driscoll[1], P. Smith[1], D. Chu[2], E. Assiak[3], C. Ugwueze[4], P. Ukerun[4]
[1]ION, [2]ExxonMobil, [3]ExxonMobil, [4]Bulwark Services

08:55 **Th P1 02 - Time-lapse Data Enhancement and Regularization with Common-offset CRS Stack -** I. Abakumov[1], B. Kashtan[2], D. Gajewski[3]
[1]Freie Universität Berlin, [2]Saint Petersburg State University, [3]University of Hamburg

09:20 **Th P1 03 - Time-lapse Simultaneous Joint Migration Inversion Applied to Realistic Synthetic Data Based on Grane Field -** S. Qu[1]*, D.J. Verschuur[1]
[1]Delft University of Technology, Delphi Consortium

09:45 **Th P1 04 - Distinct Temporal Change of Waveforms Due to Precipitation Suggesting the Near-Surface Effect Revealed by a Dense-But-Sh -** J. Kasahara[1]*, Y. Hasada[1], Y. Sugimoto[2], H. Kawashima[2], Y. Yamauchi[2], T. Y[1], K. Kubota[3]
[1]Engineering Advancement Association of Japan, [2]Dia Consulting, [3]CRIEP

10:10 Coffee break

Poster: Simultaneous Source Acquisition and Processing A
A. Ziolkowski; K.A. Berteussen

10:30 **Th P1 05 - Joint Deblending and Data Reconstruction With Focal Transformation -** J. Cao[1]*, D.J. Verschuur[2], H. Gu[1], L. Li[3]
[1]China University Of Geosciences, [2]Delft University of Technology, [3]CNOOC

10:55 **Th P1 06 - Stability of Signal Apparition -** J. Wittsten[1]*, F. Andersson[1,2,3], J. Robertsson[2,3], D. van Manen[2,3], L. Amundsen[4,5]
[1]Lund University, [2]Seismic Apparition GmbH, [3]ETH, [4]Statoil ASA, [5]NTNU

11:20 **Th P1 07 - Deblended-data Reconstruction Using Generalized Blending and Deblending Models -** T. Ishiyama[1]*, S. Ishikawa[1], M. Ali[1], S. Nakayama[2], G. Blacquiere[2]
[1]Khalifa University of Technology, [2]Delft University of Technology

11:45 **Th P1 08 - Deblending of Large 3D Surveys Acquired with Triple Sources in NW Europe -** S. Baldock[1]*, H. Masoomzadeh[1], N. Ratnett[1], Z. Liu[1], S. O'Keefe[1], S. Drewell[1], T. Travis[1]
[1]TGS

12:10 Lunch break

Poster: AVO-AVA Analysis -Theory A
F. Gamar-Sadat; I. Escobar

13:30 **Th P1 09 - Application Of Optimal Transport To The Exact Zoeppritz Equation AVA Inversion -** G. Huang[1]*, X. Chen[1], C. Luo[1], H. Dai[2]
[1]China University of Petroleum, [2]British Geological Survey

13:55 **Th P1 10 - AVO Inversion Using Physical Constraints -** I. Lehocki[1]*, P. Avseth[2]
[1]Lehocki Geospace, [2]NTNU

14:20 **Th P1 11 - Russell Fluid Factor Inversion Based On High-Order AVO and Bayesian Theorem -** Y. Sun[1]*, T. Chen[2], Y. Liu[1], B. Villamizar[1], W. Jia[1], L. Shi[2]
[1]China University Of Petroleum, [2]SINOPEC

14:45 **Th P1 12 - Linearized AVO Inversion with Modified Aki-Richards' Approximation -** L. Niu[1]*, J. Geng[1], X. Wu[2]
[1]Tongji University, [2]The University of Texas at Austin

15:10 Coffee break

15:30 **Th P1 13 - Fundamental Study for Detection of Subsurface Foam Front in the Practice of Foam-Assisted EOR Using AVO -** R. Tamura[1]*, H. Mikada[1], J. Takekawa[1]
[1]Kyoto University

15:55 **Th P1 14 - Autoregressive Low-Frequency Reconstruction for Pre-Stack Inversion -** L. Bianchin[1]*, M.D. Sacchi[2]
[1]Università degli Studi di Trieste, [2]University of Alberta

16:20 **Th P1 16 - Study on the Rational Function Characterization of Wide-Angle AVO -** Y. Xue[1], J. Xiang[1]*
[1]China University of Petroleum

16:20 **Th P1 15 - Hydrocarbon Identification by Frequency-Dependent AVO Inversion Based On Wave Equation -** G. Huang[1]*, X. Chen[1], C. Luo[1], H. Dai[2]
[1]China University of Petroleum, [2]British Geological Survey

E-POSTERS 2

Poster: Rock Physics C - Saturation and Attenuation
A. Rozhko; M. Landro

08:30 **Th P2 01 - Surface Phenomena Effects on Seismic Attenuation and Stiffness of Partially-saturated Rock -** A.Y. Rozhko[1]*
[1]University of Stavanger

08:55 **Th P2 02 - The Effect of Water Saturation on the Elastic Properties of the Wellington Shale at Seismic Frequencies -** V. Mikhaltsevitch[1]*, M. Lebedev[1], B. Gurevich[1]
[1]Curtin University of Technology

09:20 **Th P2 03 - Effect of Fracture Network Percolation on the Seismic Wave Attenuation -** M. Novikov[1,2]*, V. Lisitsa[2], Y. Bazaikin[3]
[1]Novosibirsk State University, [2]Institute of Petroleum Geology and Geophysics, [3]Sobolev Institute of Mathematics

09:45 **Th P2 04 - Physical Modeling Reveals Frequency-dependent Reflectivity Anomalies for Water-saturated and Gas-saturated Reservoir -** L. Qin[1]*, G. Tang[1], H. Liu[2], X. Wang[2], G. Wei[2], M. Li[2], S. Wang[1]
[1]China University Of Petroleum, [2]SINOPEC

10:10 Coffee break

10:30 **Th P2 05 - A Method of Determining Effective Elastic Properties of Rock Core Samples from 3D Digital Tomographic Images -** G. Reshetova[1]*, T. Khachkova[2]
[1]Institute of Computational Math. & Matm. Geophysics SB RAS, [2]Institute of Petroleum Geology and Geophysics SB RAS

10:55 **Th P2 06 - Low-frequency Experiments on Tight Sandstone and Its Dispersion Characteristics in the Seismic Frequency Band -** G.H. Wei[1]*, H. Liu[1], X. Wang[1], M. Li[1], H. Yang[1], Q. Kong[1]
[1]SINOPEC

11:20 **Th P2 07 - The Experimental Study of Diffraction Correction for Ultrasound Attenuation Estimation -** F. Gao[1]*, J.X. Wei[1], B.R. Di[1], F. Wang[1]
[1]China University Of Petroleum

11:45 **Th P2 08 - Anisotropic Viscoelatistic Properties of Fractured Reservoir Rocks Associated with Krauklis Wave Effect -** I. Bayuk[1]*, G. Goloshubin[2]
[1]Schmidt Institute of Physics of the Earth, [2]University of Houston

12:10 Lunch break

Poster: EOR C
T. Li; S. Mohammadkhani

13:30 **Th P2 09 - Comparative Experimental Study of the Various Metal Oxide Nanoparticles for the Wettability Alteration of the Carbonate -** H. Rezvani[1]*, A. Khalilnejad[2], A. Amir Sadeghi-Bagherabadi[3]
[1]Isfahan University Of Technology, [2]Islamic Azad University, [3]Institute for Advanced Studies in Basic Sciences

13:55 **Th P2 10 - Advances in Instrumented Coring -** A. Berle[1]*, V. Adestål[2]
[1]CoreAll, [2]Spirit Energy

14:20 **Th P2 11 - Investigation of Simultaneous Co-current and Counter-current Spontaneous Imbibition in Presence of Gravity Effects -** J. Abbasi[1]*, M. Ghaedi[1], M. Riazi[1], S. Rashid[2]
[1]Shiraz University, [2]PetroAzma Technologies. LTD.

14:45 **Th P2 12 - Compositional Flow Simulation of the Gas-Assisted Gravity Drainage (GAGD) EOR Process in Livingston Oil Field, Louisiana -** W.J.M. Al-Mudhafar[1]*, D.N. Rao[1]
[1]Louisiana State University

15:10 Coffee break

15:30 **Th P2 13 - Challenges of PCE-Based Proxy Modelling and Multi-Objective Optimization of WAG Injection in Fractured Carbonate Reservo -** S. AlAmeri[1]*, S. Geiger[1], A. Elsheikh[1], F. Doster[1]
[1]Heriot-Watt University

15:55 **Th P2 14 - Advanced Cuttings Analysis Provides Enhanced Support for Geosteering in Underbalanced Coiled Tubing Drilling -** A.F. Marsala[1]*, G. Oliver[2]
[1]Saudi Aramco, [2]CGG

16:20 **Th P2 15 - Development of a Predictive Model for Enhanced Gas Recovery by CO2 Huff-n-Puff in Depleted Carbonate Gas Reservoirs -** E. Pratama[1]*, M.S. Ismail[1], S. Ridha[1]
[1]Universiti Teknologi Petronas

16:45 **Th P2 16 - New Perspectives on Ionic Control of Produced Water and Low Sulphate Seawater: Wettability Insights from MFT -** E. Dos Santos Godinho[1]*, K. Steffensen[1], M.A. Sohal[1], G. Thyne[1], E. Gydesen Søgaard[1]
[1]Aalborg University

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E-POSTERS 3

Poster: Activation and Flow Assurance, Fluid Characterization
C. Rodriguez Suarez; M. Beller

08:30	**Th P3 01 - A PGNAA Logging Method for Formation Water Salinity Determination and its Application -** L. Tian[1]*, F. Zhang[1], F. Qiu[1], Y. Wang[1], X. Wang[1] [1]China University of Petroleum
08:55	**Th P3 02 - AVO Template of Dolomite Reservoir at Formation Conditions -** J. Li[1]*, H. Yang[1], H. Yu[1], X. Yan[1] [1]PetroChina
09:20	**Th P3 03 - Experimental Investigation of Nitrogen Assisted Enhanced Oil Recovery of an Iranian Fractured Oil Reservoir -** P. Broumand[2]*, M. Bazargan[1], A. Gudmundsson[1] [1]Royal Holloway University of london, [2] Shiraz University
09:45	**Th P3 04 - A Reservoir Fluid Identification Model Based On Boosting Tree Algorithm -** S. Wang[1]*, K. Jiang[1], S. Pu[2], L. Zhou[2], D. Wang[1] [1]China University of Petroleum, [2]PetroChina
10:10	Coffee break
10:30	**Th P3 05 - A Novel Double-Scale Method for Simulation of Fluid Behavior in Gas-Condensate Reservoirs -** N. Salmani[1]*, R. Fatehi[1], R. Azin[1] [1]Persian Gulf University
10:55	**Th P3 06 - Experimental Investigation of Oil/Water Interfacial Properties: Effects of Pressure, Asphaltenes and Resins -** R. Moghadasi[1], S. Kord[1]*, J. Moghadasi[1] [1]Petroleum University of Technology
11:20	**Th P3 07 - Evaluation of an Alternative Formulation for Computing Seismic Properties of Hydrocarbon Fluids -** R.R. Carvalho [1]*, F.S. Moraes[1] [1]State University of Northern Rio De Janeiro
12:10	Lunch break

Poster: FWI C
T. Allemand; L. Metivier

13:30	**Th P3 09 - Multiparameter Elastic Full Waveform Inversion with Improved Facies-Based Regularization -** Z. Zhang[1]*, T. Alkhalifah.[1] [1]King Abdullah University of Science & Technology
13:55	**Th P3 10 - Joint Migration Inversion Versus Fwi-Rtm - A Comparison Study on a 2d Realistic Deep Water Model -** Y. Sun[1]*, Y.S. Kim[2], S. Qu[4], D.J. Verschuur[4], A. Almomin[2], R. van Borselen[3] [1]Aramco, [2]Saudi Aramco, [3]Aramco Overseas Company BV, [4]Delft University of Technology
14:20	**Th P3 11 - Data-Windowing Hierarchy in Multi-Parameter Elastic FWI: 3D Synthetic Foothills Case Study -** P. Trinh[1,2]*, R. Brossier[2], L. Metivier[2,3], J. Virieux[2] [1]Total E&P, [2]ISTerre - Univ. Grenoble Aples, [3]CNRS, LJK - Univ. Grenoble Aples
14:45	**Th P3 12 - Applications of FWI to the Microseismic Source Problem -** N. Igonin[1]*, K. Innanen[1] [1]University of Calgary
15:10	Coffee break
15:30	**Th P3 13 - Application of the Logarithmic Phase-Only Inversion to the Near-Surface Data -** Y. Choi[1]*, B. Sun[1], T. Alkhalifah[1], F. Alonaizi[2], M. AlMalki[2] [1]King Abdullah University Of Science And Technology, [2]King Abdulaziz City for Science and Technology
15:55	**Th P3 14 - Image Guided Full Waveform Inversion (IGFWI) Modelling of Shallow Channel Features in the Moray Firth -** A. Salem[1]*, M. Hart[1], S. Baldock[1], C. Lang[1], J. Chen[1], J. Sheng[1] [1]TGS
16:20	**Th P3 15 - Unlocking Deeper Potentials through Specialized Processing Strategies – A Case Study from Offshore Indonesia -** M.A. Mokhtar[1]*, R. Alai[1], Y. Guo [2], P. Wardaya[3], J. Wang[2], R.K. Pratama[4], H. Haryanto [4] [1]Petronas Carigali Sdn. Bhd., [2]CGG, [3]CGG, [4]Petronas Carigali Indonesia Operation
16:45	**Th P3 16 - Application of Acoustic FWI in a Deep-Water Environment Using Towed Streamer Data -** M.A.A.M. Jelani[1,2]*, R.G. Pratt[3], A.D. Booth[1] [1]University of Leeds, [2]University Malaysia Terengganu, [3]University of Western Ontario

E-POSTERS 4

Poster: From Microseismic Data To Source Classification And Inversion
Z. Wu; P. Roux

08:30	**Th P4 01 - Increasing SNR for Microseismic Arrivals with a Multichannel Adaptive Noise Filter -** K. Chambers[1]* [1]Nanometrics
08:55	**Th P4 02 - Source Type Classification Based On the Support Vector Machine Method -** C. Song[1]*, T. Alkhalifah[1], Z. Wu[1] [1]King Abdullah University of Science and Technology
09:20	**Th P4 03 - Calculation of Tube Wave Velocity in a Shallow Borehole Using Passive Seismic Recordings -** F. Borges[1]*, D. Wehner[1], M. Landrø[1] [1]Norwegian University of Science and Technology (NTNU)
09:45	**Th P4 04 - 3D Microseismic Wavefield Imaging Using the Energy Imaging Condition -** D. Rocha[1]*, P. Sava[1], J. Shragge[1], B. Witten[2] [1]Colorado School of Mines, [2]University of Western Australia
10:10	Coffee break
10:30	**Th P4 05 - Elastic Micro-Seismic Full Waveform Inversion with an Unknown Source -** H. Wang[1]*, T. Alkhalifah[1] [1]King Abdullah University of Science and Technology
10:55	**Th P4 06 - Source Localisation and Joint Velocity Model Building -** L. Diekmann[1]*, B. Schwarz[2], A. Bauer[1], D. Gajewski[1] [1]University of Hamburg, [2]University of Oxford
11:20	**Th P4 07 - Surface Microseismic Localization by Semblance-Based Envelope-Stacking -** M.J. Khoshnavaz[1]*, A. Bona[2], H. Siahkoohi[1] [1]University of Tehran, [2]Curtin University of Technology
11:45	**Th P4 08 - A Local Equivalent Path Approach to Microseismic Source Location Using Surface Data -** Y. Jiang[1]*, R. Wang[1], X. Chen[1], F. Wu[2] [1]China University of Pertroleum, [2]CNPC
12:10	Lunch break

Poster: Outcrop Analogue Description and Modelling
O. Dubrule; M. Mutti

13:30	**Th P4 09 - Multi-Scale Integrated Approach for Better Understanding Reservoir Heterogeneity: Case Study of the Green River Formatio -** J. Terrier[1,2], K. Labat[1]*, M. Adelinet[1], R. Deschamps[1], Y. Hamon[1] [1]IFP Energies Nouvelles, [2]UniLaSalle
13:55	**Th P4 10 - Outcrop- and Well-Based Seismic Models of a Carbonate System in Permian Basin: Implications for Seismic Chronostratigrap -** H. Zeng[1]*, Y. He[1], C. Kerans[1], X. Janson[1] [1]University of Texas
14:20	**Th P4 11 - The Silurian Red Beds of Tarim Basin: Signals of Paleoenvironment, Paleoclimate and Sea Level Change -** J. Liu[1]*, B. Wang[1], C. Lin[1] [1]China University Of Geoscience
14:45	**Th P4 16 - Structural Deformation and its Impact to Sandstone Reservoirs in Eastern Azerbaijan -** G. Zeynalov[1]*, S. Alkhasli[1,2] [1]Azerbaijan State Oil and Industry University, [2]Khazar University
15:10	Coffee break

Poster: Rift Systems
W. Athmer; C. Shrivastava

15:30	**Th P4 13 - A Comparison of the Kinematics and Structural Evolution of Major Mesozoic Rifts of the Southeastern North Sea and Northe -** F. Jähne-Klingberg[1]*, F. Bense[1], M. Warsitzka[1] [1]Federal Institute for Geosciences and Natural Resources
15:55	**Th P4 14 - Along-Strike Variability of the Stratigraphic Signature of Rift Successions: Examples from Brazilian Rift Basins -** M. Holz[1]*, D.B. Vilas-Boas[1], E.B. Troccoli[1], P.A. Vidigal-Souza[1] [1]Universade Federal Da Bahia
16:45	**Th P4 16 - Architecture Analysis of Migrated Stratigraphic Patterns in Pearl River Mouth Basin, Northern South China Sea -** H.R. Liu[1]* [1]Louisiana State University

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E-POSTERS 5

Poster: SPE B

08:30	**Th P5 01 - Cyclic Flow of Two Immiscible Phases (SPE-190789-MS) -** A. Rabinovich[1]* [1]Tel Aviv University
08:55	**Th P5 02 - Designed Simulations for Optimization of Hydraulic Fracture Design and Production Well Constraints in Shale Gas Reservoirs with Reduced-Physics Metamodeling (SPE-190835-MS) -** W. Al-Mudhafer[1,2]* [1]Louisiana State University, [2]A&M College
09:20	**Th P5 03 - Impact of Sulphates Presence During Application of Smart Water Flooding Combined with Polymer Flooding (SPE-190796-MS) -** M. Tahir[1]* [1]Clausthal University of Technology
09:45	**Th P5 04 - CFD Simulation of a Production Well in the North Sea (SPE-190764-MS) -** C. Schytte Hemmingsen[1]* [1]Technical University of Denmark
10:10	Coffee break
10:30	**Th P5 05 - Mitigation of the Remote Gauge Problem in Temperature Transient Analysis (SPE-190863-MS) -** A. Dada[1]* [1]Heriot-Watt University
12:10	Lunch break

Poster: Geochemistry and Geochronology A

T. Adedosu; O. Abbink

13:30	**Th P5 09 - Potential Source Rock Evaluation and Origins of Oil-Derived Gas in the Central Gas Field, Ordos Basin, China -** W. Ma[1]* [1]PetroChina
13:55	**Th P5 10 - Direct and Online Offshore Surface Geochemical Analysis: A Viable RISKING Tool? -** J. Rinna[1]*, M. Ulas[2], G. van Graas[2], A. Hartwig[1], J.E. Skeie[1] [1]Aker BP Asa, [2]Offshore Resource Group
14:20	**Th P5 11 - Integrating Geophysics, Geology, and Geochemistry Methods for Shallow Biogenic Gas Exploration in Indonesia -** R. Muammar[1]*, Z. Firdaus[2] [1]IndoGeo Social Enterprise, [2]University of Brawijaya
14:45	**Th P5 12 - Mud Gas Isotope Logging while Drilling the Benefits of Analysing Iso C2 and Iso C3 at Wellsite -** J. Dashti[1]*, M. Al-Awadi[1], F. Al-Qattan[1], T. Al-Meshilah[1], A. Shoeibi[2], B. Cecconi[2], J. Estarabadi[2] [1]Kuwait Oil Company, [2]Geolog International
15:10	Coffee break

Poster: Seismic Reservoir Characterization B - Seismic Characterization with Attributes

A. Tura; F. Merlet

15:30	**Th P5 13 - Seismic Facies-Controlled Modelling for Seismic Inversion -** Q. Li[1]* [1]CNOOC Research Institute
15:55	**Th P5 14 - Contrast Enhancement of Transgressive Surface Referenced Stratal-Slices by Adaptive Color Encoding -** Y. Li[1]*, Z. Wang[2], Z. Wang[2] [1]Shanghai Petroleum Corp & Tongji University, [2]DBHS
16:20	**Th P5 15 - Linearized AVOA and Anisotropic Poroelasticity -** X. Pan[1]*, G. Zhang[1] [1]China University of Petroleum
16:45	**Th P5 16 - Characterization of Point-Bars in Compound Channels of Daqing Saertu Oilfield Using OVT Processing and Interpretation -** J. Qi[1]* [1]Daqing Oil Field Company Ltd.

E-POSTERS 6

Poster: Carbonate Reservoirs A

M.B. Al-Otaibi; B. Koehrer

08:30	**Th P6 01 - Direct Wettability Characterization of the Carbonate Reservoirs Using Different Microscopic Techniques -** A. Ivanova[1]*, N. Miturev[1], A. Cheremisin[1], M. Spasennykh [1], A. Orekhov[2], A. Vasilev[2] [1]Skolkovo Institute of Science and Technology, [2]National Research Centre "Kurchatov Institute"
08:55	**Th P6 02 - Pore System Characterization of Carbonate Outcrops from Oman Using X-Ray Tomography Images and Permeability Relationship -** I. Lima Neto[1]*, M. Ceia[1], R. Missagia[1], G. Oliveira[1], V. Santos[1], A. Carrasquilla[1] [1]North Fluminense State University
09:20	**Th P6 03 - Multi-Scale Cave Detection based on Amplitude Difference of Pre-Stack Frequency Division Data Volumes -** K. Xu[1]*, B. Zhu[1], J. Yang[1], Z. Sun[1], W. Zhang[1], Y. Ma[1], Q. Lv[1], Y. Li[1] [1]Sinopec Geophysical Research Institute
09:45	**Th P6 04 - Small-Scale Faults and Fractures Identification Using Image Enhancement Techniques -** Z. Wang[1]*, W.J. Zhao[1], B.Y. Liu[1], J.D. Zhang[1], C.L. Zhou[1] [1]PetroChina
10:10	Coffee break
10:30	**Th P6 05 - The Experiment of Burial Dissolution Kinetics for Dolomitized Limestone -** T. Zhang[1,2]*, D. Wei[1,2], R. Xiong[1], D. Li[1], Y. Wang[1,2] [1]PetroChina, [2]CNPC
10:55	**Th P6 06 - Connectivity Analysis of Carbonate Fracture-Cavity Reservoir Using Advance Fault Interpretation: A Case Study in Tarim B -** Z. Meng[1]*, Z. Sun[1] [1]China University of Petroleum
11:20	**Th P6 07 - Petrophysical Heterogeneity in a Lower Cretaceous Limestone Reservoir, Onshore Abu Dhabi, United Arab Emirates -** S. Ehrenberg[1]* [1]The Petroleum Institute
11:45	**Th P6 08 - Study of Stylolites Using Laser Induced Breakdown Spectroscopy -** P. Baud[1]*, F. Surma[2], P. Schloegel[1] [1]University of Strasbourg, [2]Epitopos
12:10	Lunch break

Poster: Geomechanics A

S. Seyum; F. Ditlevsen

13:30	**Th P6 09 - Stiffening and Strengthening by Increase Temperature of Dry Sandstones from the Deep North Sea Basin -** T. Orlander[1]*, K.A. Andreassen[1], I.L. Fabricius[1] [1]Technical University Of Denmark
13:55	**Th P6 10 - Elastic Coulomb Stress Transfer during Injection Induced Seismicity -** T. Kettlety[1]*, J.P. Verdon[1], J.M. Kendall[1], M.J. Werner[1] [1]University of Bristol
14:20	**Th P6 11 - Mechanical Hysteresis of Carbonate Outcrop Samples -** R. Marchezi Missagia[1]*, M. Ceia[1], D. Manhães[1] [1]UENF University
14:45	**Th P6 12 - Experimental Observation of Channel Propagation and Dissolution Forecasting on Calcite Samples at Different Effective Pr -** F. Brondolo[1]* [1]University Of Edinburgh
15:10	Coffee break
15:30	**Th P6 13 - Characterization of Lower Sand Control Completion Failure in Oil Wells -** J. Tovar[1]* [1]Innovative Engineering Systems Ltd
15:55	**Th P6 14 - Proppant Selection Using Newly Developed Laboratory Setup: Experiment and Results -** D.S. Shekhawat[1]* [1]Schlumberger
16:20	**Th P6 15 - Determination of Geomechanical Parameters Using Extended Elastic Impedance (EEI) -** J. Sharifi[1]*, M. Mirzakhanian[2] [1]Ferdowosi University of Mashhad, [2]University of Tehran
16:45	**Th P6 16 - Effect of Supercritical CO2 Injection on the Bulk Modulus of Hydrocarbon-Saturated Carbonate Formation -** A. Zaki Ali[1]*, M.E. Kandil[1], J. Safarov[2] [1]King Fahd University Of Petroleum & Minerals, [2]Universität Rostock

Note: technical programme version - 15 April 2018.

e-Poster presentations Thursday 14 June

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

E-POSTERS 7

Poster: Integration A
H. El Euchi; G. Hoetz

08:30	**Th P7 01 - Application of Low Frequency Enhancement Technology in Volcano Channel Imaging -** D. Zhou[1]*, D. Xu[1] [1]CNOOC
08:55	**Th P7 02 - A Method to Suppress Salt-related Converted Wave Using 3D Acoustic Modelling -** J. Kumar[1]*, M. Salem[2], D.E. Cegani[2] [1]Petroleum Geo-Services, [2]ENI E&P
09:20	**Th P7 03 - Pre-Cretaceous Prospectivity of the Outer Møre and Vøring Basins Constrained by New 3D Seismic Data -** B. Manton[1]*, S. Planke[1,2], D. Zastrozhnov[1,2], M.M. Abdelmalak[1], J. Millett[1], D. Maharjan[1], S. Polteau[1], J.I. Faleide[2], L. Gernigon[3], R. Myklebust[4], B.E. Kjølhamar[4] [1]Volcanic Basin Petroleum Research AS, [2]University of Oslo, [3]NGU, [4] TGS
09:45	**Th P7 04 - Geo-pilots, Development Drilling and Early Production Experiences from the Ivar Aasen field -** L. Olsborg[1]*, A. Kunz[1], I.S. Drange[1], T. Skorve[1], G. Kvillas[1], K. Christoffersen[1], E. Hagen[1], A. Chatterjee[1], Y.B. Johansen[1], G. Schei[1], S. Mastad[1], T. Jøssund[1] [1]Aker BP
10:10	**Coffee break**
10:30	**Th P7 05 - Integrated Geophysics and Machine Learning for Risk Mitigation in Exploration Geosciences -** P. Dell'Aversana[1]*, B. Ciurlo[1], S. Colombo[1] [1]Eni S.p.A. E&P
10:55	**Th P7 06 - Possible Sources of Error for Estimation of Initial Oil in-place in Tight and Highly Fractured Reservoirs; A Case Study -** R. Mokhtari[1]*, H. Saboorian Jooybari[2], Z. Talebian[3] [1]Shiraz University, [2]University of Calgary, [3]University of Applied Science and Technology
11:20	**Th P7 07 - Geological Modelling for Seismic Modelling -** C. Ronot[1]*, L. Szafran[1], R. Lencrerot[1], A. Barnola[1] [1]Total
11:45	**Th P7 08 - Research of Seismomagnetic Effect in Fault Zon. -** S. Riabova[1]*, A. Spivak[1] [1]IDG RAS
12:10	**Lunch break**

Poster: Seismic Acquisition
J. Musser; C. Walker

13:30	**Th P7 09 - Defining Safe Streamer Configuration in Adverse MetOcean Conditions -** E. L'Arvor[1]*, T. Choquer[2], R. Alfaro[1] [1]Total Exploration & Production, [2]Kappa Offshore Solutions
13:55	**Th P7 10 - Efficient Full-Azimuth Acquisition Strategies for Exploration in the North Sea -** M. Chapelle[1]*, M. Branston[1], R. Campbell[1] [1]WesternGeco
14:20	**Th P7 11 - The Applied Physical Sciences Marine Vibrator: An Overview -** D. Roy[1]*, C. Brideau[1], T. Lawry[1], C. Ratliff[1], R. Rekos[1], C. Corrado[1] [1]Applied Physical Sciences Corporation
14:45	**Th P7 12 - Reflection Seismic Imaging Using Smart DAS Upholes -** A. Bakulin[1], P. Golikov[1]*, R. Smith[1], K. Erickson[1], I. Silvestrov[1], M. Al-Ali[1] [1]Saudi Aramco
15:10	**Coffee break**
15:30	**Th P7 13 - 3D Seismic Survey at the Geothermal Research Platform Groß Schönebeck/Germany -** M. Stiller[1]*, K. Bauer[1], J. Henninges[1], B. Norden[1], C. Krawczyk[1], E. Huenges[1] [1]German Research Centre for Geosciences
15:55	**Th P7 14 - Towards Discrimination of Elastic Wave Modes with Shaped DAS Fibre-optic Cables -** K. Innanen[1,2]*, M. Eaid[1,2] [1]University Of Calgary, [2]Consortium for Research in Elastic Wave Exploration Seismology
16:20	**Th P7 15 - Broadband MET Hydrophone -** D. Zaitsev[1], V. Agafonov[1]*, E. Egorov[1], S. Avdyukhina[1] [1]Moscow Institute Of Physics and Technology
16:45	**Th P7 16 - Stabilizing the Vibroseis Transmitted Signal Under Variable Vibrator Ground Force Levels -** Y. Wu[1], Z. Wei[1]*, P.I. Pechoics[2], F. Liang[1] [1]INOVA Geophysical, [2]Consultant

E-POSTERS 8

Poster: Estimating Permeability A
G. Massonnat; M. Houben

08:30	**Th P8 01 - Investigation the Existence of Pre-Darcy Flow in Different Gas Systems -** Z. Farmani[1]*, R. Azin[1], R. Fatehi[1], M. Escrochi[2] [1]Persian Gulf University, [2]Shiraz University
08:55	**Th P8 02 - Permeability Estimation of Tight Sandstone based on Dual T2 Cutoff Value Model and Fluid Substitution -** J. Liu[1]*, Y. Fan[1], X. Ge[1], F. Wu[2] [1]China University Of Petroleum, [2]Niumag Corporation Ltd.
09:20	**Th P8 03 - An Experimental Analysis of Heterogeneity Using the Dispersion Coefficient and Permeability Using Multiple Chemical Trac -** N. Najem[1,2], F. Aminzadeh[2], W. Al-Bazzaz[3]* [1]Kuwait Oil Company, [2]University of Southern California, [3]Kuwait Institute for Scientific Research
09:45	**Th P8 04 - Flow Behavior of Gas Confined in Inorganic Nanopores of Shale: Moisture Content -** W. Chen[3]*, Z. Sun[1,2], X. Li[1], J. Shi[1], K. Wu[1] [1]China University of Petroleum, [2]Texas A&M University, [3]CUPB
10:10	**Coffee break**
10:30	**Th P8 05 - Workflow for Homogenising the Bulk Permeability of a Domain Containing a High Permeable Discrete Fracture Network Embedd -** T. Meier[1]*, C. Grühser[1], T. Backers[1] [1]Geomecon GmbH
10:55	**Th P8 06 - The link between permeability and velocity anisotropy of organic-rich chalks from laboratory measurements -** Y. Gordin[1]*, Y.H. Hatzor [1], H.J. Vinegar [1] [1]Ben-Gurion University of the Negev
11:20	**Th P8 07 - Equivalence Analysis of Natural Gas Hydrate Rock Physical Model and Gas Hydrate Digital Rock Model -** H. Dong[1]*, J. Sun[1], X. Liu[1], Z. Zhang[1], X. Zeng[1] [1]China University of Petroleum
11:45	**Th P8 08 - Estimating Permeability Using a Reservoir Quality Data-set Derived from Drill Cuttings: an Example from Pakistan -** S. Tiainen[1]*, C. Cubitt[1], W. Siedl[2] [1]HOT Engineering GmbH, [2]OMV Exploration and Production GmbH
12:10	**Lunch break**

Poster: Near Surface - High Resolution Seismic and Surface Waves A
D. Orlowsky

13:30	**Th P8 09 - The S-transform based Automated Picking of Surface Wave Phase Velocity Dispesion Curves -** A. Yablokov[1,2,3]*, A. Serdyukov[2,3], A. Azarov[2], A. Duchkov[3] [1]Novosibirsk State University, [2]CIM SB RAS, [3]IPGG SB RAS
13:55	**Th P8 10 - MASW Analysis of DAS Fiber-Optic Data for Active and Passive Seismic Sources -** S. Cole[1]*, M. Karrenbach[1], D. Gunn[2], B. Dashwood[2] [1]OptaSense, [2]British Geological Survey
14:20	**Th P8 11 - Structure Preserving Regularization for Multitrace Sparse Deconvolution -** S. Zhang[1]*, G. Li[1], J. Wang[2], X. Du[1], Z. Zhou[3] [1]China University Of Petroleum, [2]PetroChina, [3]BGP, CNPC
14:45	**Th P8 12 - Iceberg Scour Marks in the Southern North Sea - Indications for Iceberg Transport at the Beginning of Northern Hemispher -** J. Arfai[2], G. Kuhlmann[1]*, S. Ladage[2], R. Lutz[2], C. Gaedicke[2] [1]Bundesanstalt für Geowissenschaften und Rohstoffe, [2]Bundesanstalt für Geowissenschaften und Rohstoffe
15:10	**Coffee break**

Poster: Near Surface - Shallow Marine Geophysics A
D. Orlowsky

15:30	**Th P8 13 - Development of ZVCS High-Resolution Seismic Systems for Seafloor Massive Sulfide Exploration -** E. Asakawa[1]*, F. Murakami[1], H. Tsukahara[1], S. Saito[1], K. Tara[1], S. Lee[1] [1]J-MARES/JGI
15:55	**Th P8 14 - High-resolution pseudo 3D seismic data for shallow marine exploration and geohazard assessment in Offshore Malaysia -** Farhan Ahmed Khan[1]*, . Siti Fahimah Bt M Zohdi[1], . Quah Khoon Beng[1], . Haslina Binti Mohamed[1], . Mohd Azizul Mohd Yahya[2] [1]PETRONAS Carigali Sdn. Bhd. , [2]Halliburton
16:20	**Th P8 15 - Shallow fluid flow in the SW Barents Sea – An integrated multi-scale geophysical analysis -** J. Petersen[1]*, K. Dittmers[2], S. Vadakkepuliyambatta[3], A. Plaza-Faverola[3], S. Bünz[3] [1]DEA Deutsche Erdoel AG, [2]DEA Norge AS, [3]CAGE, The Arctic University of Norway
16:45	**Th P8 16 - Separated Wavefield Imaging for Shallow Geohazard Analysis - An Ocean Bottom Study on a North Sea Dataset -** T. Martin[1]*, D. van der Burg[1], J. Fasterling[2], J. Musser[2] [1]PGS, [2]Maersk Oil

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E-POSTERS 9

Poster: Diffraction Modelling and Imaging A
S. Foss; A. Stovas

08:30	**Th P9 01 - A New Method for Diffraction Separation based on Trace Randomized Realignment and Denoising in Migrated Dip-Angle Domain -** X. Hou[1]*, S.Z. Sun[2] [1]China University of Petroleum
08:55	**Th P9 02 - Visualization of Ultra-Weak Diffractors based on Vector Pair RTM -** G. Erokhin[1]*, A. Danilin[1], M. Kozlov[1] [1]IKBFU
09:20	**Th P9 03 - Unsupervised Global Identification of Diffractions based on Local Wavefront Measurements -** A. Bauer[1]*, B. Schwarz[2], T. Werner[1], D. Gajewski[1] [1]University of Hamburg, [2]University of Oxford
09:45	**Th P9 04 - Combination of the Born Approximation with the Finite Difference Method to Model the Acoustic Scattering from Small-Scal -** I. Karpov[1]*, B. Arntsen[1] [1]Norwegian University of Science and Technology
10:10	**Coffee break**

Poster: Seismic Imaging - Case Histories B
A. Stopin

10:30	**Th P9 05 - Enhanced Seismic Imaging in Kuqa Foreland Basin, China - A Case History -** Z. Tongsheng[1]*, Q.C. Zeng[2], Y.L. Ouyang[2], Y.Y. Song[2], L.Q. Zhang[2] [1]Wangzhuang, [2]CNPC
10:55	**Th P9 06 - LSRTM in Visco-Acoustic Medium on GPU Clusters and Its Application on 3D Land Datasets -** M. Zhang[2]*, B. Kuang[1], H.Z. Wang[2], Z. Sui[1], L. Shan[1] [1]Shengli Oilfield of SINOPEC, [2]Tongji University
11:20	**Th P9 07 - Advanced Seismic Imaging Techniques for Characterization of a Deep Supercritical Geothermal Reservoir -** T. Jusri[1]*, R. Bertani[2], S. Buske[1] [1]TU Bergakademie Freiberg, [2]Enel Green Power
11:45	**Th P9 08 - Seismic Numerical Simulating of Carbonate Caves in Tarim Basin, Western China -** S.H. Hu[1]*, X.W. Wang[1], W.Q. Liu[1] [1]PetroChina
12:10	**Lunch break**

Poster: Interferometry - Marchenko Methods
V. Kazei

13:30	**Th P9 09 - Steps toward Monitoring a Deep Geothermal Reservoir in Northern Alsace with Ambient Seismic Noise Interferometry -** D. Kula[1], M. Lehujeur[1], J. Vergne[1]*, J. Schmittbuhl[1], D. Zigone[1] [1]Institut de Physique du Globe de Strasbourg, Université de Strasbourg EOST/CNRS
13:55	**Th P9 10 - Estimation of Azimuthal Angle of Shear Wave Anisotropy by Utilizing the Virtual Source Method with an OBS -** Y. Watanabe[1]*, H. Mikada[1], J. Takekawa[1] [1]Kyoto University
14:20	**Th P9 11 - Subsurface Reflection Response Estimation at Groningen by Seismic Interferometry Using Deep Borehole Data -** M. F. Akbar[1]*, I. Vasconcelos[1], W. Zhou[1], H. Paulssen[1] [1]Utrecht University
14:45	**Th P9 12 - Artefact-Free Imaging by a Revised Marchenko Scheme -** L. Zhang[1]*, E. Slob[1], K. Wapenaar[1], J. van der Neut[1] [1]Delft University of Technology
15:10	**Coffee break**

Poster: Seismic Imaging - Marchenko Methods
R. Plessix; D. Gajewski

15:30	**Th P9 13 - Virtual Plane-wave Retrieval and Imaging via Marchenko Redatuming -** G. Meles[1]*, K. Wapenaar[1], J. Thorbecke[1] [1]Delft University of Technology
15:55	**Th P9 14 - Using Sparsity to Improve the Accuracy of Marchenko Imaging of Single and Time-Lapse Seismic Given Imperfect Acquisitiont -** C.M. Haindl[1]*, F. Broggini[2], M. Ravasi[3], D.-. van Manen[2] [1]University of Oxford, [2]ETH Zürich, [3]Statoil
16:20	**Th P9 15 - Sparse Inversion of the Coupled Marchenko Equations for Simultaneous Source Wavelet and Focusing Functions Estimation -** T.S. Becker[1]*, M. Ravasi[2], D.-. van Manen[1], F. Broggini[1], J.O.A. Robertsson[1] [1]ETH Zurich, [2]Statoil ASA
16:45	**Th P9 16 - Q-factor Estimation and Redatuming in a Lossy Medium Using the Marchenko Equation -** Y. Alkhimenkov[1]*, J. Brackenhoff[1], E. Slob[1], K. Wapenaar[1] [1]Delft University of Technology

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Student e-Poster presentations Thursday 14 June

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E-POSTERS STUDENTS 1

Student Poster: Rock Physics, Seismic Reservoir
J Sharifi

08:30	**Th SP1 01 Examination of the Time-Dependent Seismic Signal of a Producing Carbonate Field Using Rock Physics -** M Tomasgaard[1]*, N Cardozo[1], L Schulte[2] [2]Schlumberger, [1]University of Stavanger
08:55	**Th SP1 02 Reservoir Sand Delineation and Hydrocarbon Mapping Using PP and PS Seismic Data -** L.U Frette[1]*, N Cardozo[1], S Manral[2], L Schulte[2] [2]Schlumberger, [1]University Of Stavanger
09:20	**Th SP1 03 Validation of Gassmann's Equation for Static and Dynamic Dry Moduli -** J Sharifi[1]*, M Mirzakhanian[2], M.R Saberi[3], A Javaherian[4], N Hafezi Moghaddas[1] [4]Amirkabir University of Technology, [3]CGG, [1]Ferdowsi University of Mashhad, [2]University of Tehran
09:45	**Th SP1 04 Symmetry as an Alternative Seismic Attribute: Case Studies from the Hard Rock and Soft Rock Environments, South Africa -** M Westgate[1]*, M Manzi[1], G Cooper[1] [1]University of the Witwatersrand
10:10	**Coffee break**
10:30	**Th SP1 05 AVO, AVAZ Responses and Velocity Anisotropy Associated with Low-Frequency Anomalies-Example from the Southern North Sea -** S.S Ahmad[1]*, W.W Weibull[1], R.J Brown[1], A Escalona[1] [1]University Of Stavanger
10:55	**Th SP1 06 Accelerating Multiple-Point Geostatistical Simulation with GPU -** Ó.D Jóhannsson[1]*, T.M Hansen[1] [1]University of Copenhagen
11:20	**Th SP1 07 When Is Mcmc Feasible for AVO Inversion? -** S Kuppens[1]*, R Madsen[1], T Hansen[1] [1]University of Copenhagen, Niels Bohr Institute
12:10	**Lunch break**

Student Poster: Unconventional Reservoirs
T Finkbeiner; D Moronkeji

13:30	**Th SP1 09 A New Approach to Predict Shale Gas Decline Trends in Unconventional Reservoirs Using Molecular Weight Fractionation -** R Davey[1]*, C Smalley[1], M Sephton[1] [1]Imperial College London
13:55	**Th SP1 10 Synthesis and Studies on Novel-Cleaner Polymer Crosslinked Gel Fluid System for Unconventional Reservoir Fracturing -** G Chauhan[1]*, A Verma[1], K Ojha[1] [1]Indian School of Mines
14:20	**Th SP1 11 The Unconventional Petroleum Potential of the Gainsborough Trough, Onshore UK A Petroleum Systems Modelling Approach -** F Palci[1]*, A Fraser[1], M Neumaier[1], K Parkin[2], T Wilson[2], T Goode[2], S Yang[3] [3]GFZ, [2]IGas Energy PLC, [1]Imperial College London
14:45	**Th SP1 12 Multicomponent Adsorption Modelling for Enhanced Coalbed Methane Recovery from Jharia Coalfield Using Iterative Method -** M Asif[1]*, P Naveen[1], D.C Panigrahi[1], K Ojha[1], S.S Anwer[1] [1]Indian Institute Of Technology
15:10	**Coffee break**
15:30	**Th SP1 13 Insight of Developed Novel Mud Technology to Mitigate Borehole Instability Issues Associated with Unconventional Shale -** S Kumar[1]*, T Kumar[2] [1]DIT University, [2]University of Petroleum & Energy Studies
15:55	**Th SP1 14 Development and Characterization of Novel Foam Based Fracturing Fluid for Unconventional Reservoirs -** A Verma[1]*, G Chauhan[1], K Ojha[1] [1]Indian Institute of Technology
16:20	**Th SP1 15 Geological Modelling of Bazhenov Formation in Central Part of West Siberia -** L Minibaeva[1]*, G Kalmykov [1], Y Karpov [1], M Topchii [1] [1]Lomonosov Moscow State University
16:45	**Th SP1 16 Investigations of Coal Pore Surface Characteristics with the Integration of Pore Compressibility at High Pressures -** P Naveen[1]*, M Asif[1], K Ojha[1] [1]Indian School of Mines

E-POSTERS STUDENTS 2

Student Poster: Near Surface Other
M Nooraiepour; E Bloem

08:30	**Th SP2 01 Lateral Range Issue in ERT Analogue Modelling with 2D and Quasi-3D Inversion -** P Ulasiewicz[1], M Ziobro[1]* [1]AGH University of Science and Technology
08:55	**Th SP2 02 Estimation of Elastic Properties of the Near Subsurface from Shallow Seismic Reflection Recordings -** M Stancu[1]* [1]University of Bucharest
09:20	**Th SP2 03 Inversion of Apparent Resistivity Using Regularized Neural Network -** R Shah[1], S Kumar[1]* [1]Indian School of Mines
09:45	**Th SP2 04 Detection of Landslide Direction Based On HVNR Method -** M Kazemnia Kakhki[1]*, F Peters[1], J Webe Mansour[1], S Hooshmand Ghazvini[1] [1]Federal University of Rio de Janeiro
10:10	**Coffee break**
10:30	**Th SP2 05 Inversion of Self-Potential Anomaly Using Laplace Crossover Operator Based Genetic Algorithm -** T Rajkumar[1]* [1]Indian School of Mines
10:55	**Th SP2 06 Artificial Neural Networks Using Regularized Logistic Regression Cost Function: A Robust Lithofacies Classifier -** R Shah[1]*, S Maiti[1] [1]Indian Institute Of Technology
11:20	**Th SP2 07 Feasibility Study of Fresh Water Storage Capacity in Asmari-Jahrum Formation, Chahpir Anticline -** M Owji[1]*, R Azin[1], M Riazi[2], H Bahrami[3], R Ranjbar[4] [4]Amirkabir University of Technology, [1]Persian Gulf University, [2]Shiraz University, [3]Well Service of Iran
12:10	**Lunch break**

Student Poster: Reservoir Characterization and Reservoir Other
F Perrone; A Kamp

13:30	**Th SP2 09 Using Flow Diagnostics to Quantify the Effects of Reservoir Mobility and Wettability in Carbonate Reservoirs -** F Alhashmi[1]*, S Geiger[1] [1]Heriot-Watt University
13:55	**Th SP2 10 Modeling Gas-Condensate Reservoir Performance in Multiphase Radial Flow Systems -** A Benson Lamidi[1]* [1]Saint Petersburg Mining University
14:20	**Th SP2 11 Numerical Study on Methane Hydrate Dissociation in Lab-Scale Sandstone Core -** H Eslami[1]*, B Raji[2], M.J Ameri Shahrabi[1], M Sabah[1] [1]Amirkabir University Of Technology, [2]Shiraz University
14:45	**Th SP2 12 A Fast Approach to Ensemble Appraisal and Reservoir Performance Predictions -** C.C Onwunyili[1]*, K.D Stephen[1] [1]Heriot-Watt University
15:10	**Coffee break**
15:30	**Th SP2 13 Numerical Study on Methane Hydrate Dissociation in Lab-Scale Sandstone Core -** S.A Hosseini[1]*, E Joonaki[2], J Buckman[2], B Ruggeri[1], B Tohidi[2] [2]Heriot-Watt University, [1]Politecnico di Torino
15:55	**Th SP2 14 Water-cut Metering by Flow Electrical Resistivity Measurement Method -** H Asaadian[1]*, B Soltani Soulgani[1], R Najafi[1] [1]Petroleum University of Technology
16:20	**Th SP2 15 Experimental Investigation of Asphaltene Behavior at the Oil-Water Interface after Precipitation Onset Point -** M Soodbakhsh Taleghani[1]*, A.H Saeedi Dehaghani[2], H Vatanparast[3] [3]IOR Research institute, NIOC, [1]Islamic Azad University, [2]Tarbiat Modares University

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