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SHEARWATER

6-9 JUNE 2022

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Technical Programme

Tuesday 7 June | Oral presentations

Last updated 2 May 2022

ROOM A		ROOM B		ROOM C	
Surface Waves for Near Surface Imaging E. Cauquil (TotalEnergies), N. El Allouche (Schlumberger)		**FWI Theoretical Developments** J. Rickett (Schlumberger), C. Wang (ION)		**Clastic Sedimentary Systems** W. Athmer (Schlumberger)	
09:30	**Quantitative Seabed Surface Wave Characterization using Distributed Acoustic Sensing** - J.P. Morten (Alcatel Submarine Networks Norway AS)	09:30	**One-way Waveform Inversion (OWI)** - A. Ben Hassine (OPERA)	09:30	**Contourites of the northern North Sea, North Sea Fan, and mid-Norwegian margin** - B. Bellwald (VBPR AS; Fjorgyn AS; University of Oslo)
09:50	**Time-lapse analysis of surface waves recorded using a helically wound DAS cable and surface orbital vibrators** - K. Tertyshnikov (Curtin University of Technology)	09:50	**Application of asymptotic solution of Helmholtz equation in Full Waveform Inversion** - M. Protasov	09:50	**Depositional Systems of the Utsira and Skade Formations, Norwegian North Sea: applications to regional CCS assessment** - D. Little (TGS)
10:10	**Seismic refraction and ambient noise methods to explore the extension of soft materials in a landslide** - M. Cardenas Soto (Universidad Nacional Autónoma De México)	10:10	**Exploiting the richness of multi-component data: a time-dependent polarization-based FWI approach** - S. Sambolian (Univ. Grenoble Alpes)	10:10	**Oligocene-Lower Miocene clinoforms of the Pre-Caucasus region – a new target in the old petroleum province** - E. Babina
10:30	**Detailed near-surface characterization over Burgan field using multi-waveforms through simultaneous joint inversion, onshore case study** - A. Mohamed (Schlumberger)	10:30	**The modified Full waveform inversion with the K-support norm for the noise existing data** - J. Li (Kyoto University)	10:30	**Reservoir Characterization of Late Miocene Deep-water Frontal Splay Deposits, Salinas Basin, Mexico** - D. Armitage (Repsol)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
		Microseismic Monitoring and Passive Seismics 1			
11:10	**Inversion of surface wave dispersion curves with uncertainties estimation using artificial neural network** - A. Yablokov	11:10	**Direct inversion for salt flank geometry using P- and S-wave traveltimes in a VSP survey experiment** - J. Zong (University of Electronic Science and Technology of China)	11:10	**Polok Deep-Water Channel Complex Characterization and Reservoir Architecture, Offshore Mexico** - M. Gonzalez-Quijano (Repsol)
11:30	**Multitask learning for pre-stack three-parameter inversion** - J. Meng (China University of Petroleum (Beijing))	11:30	**The Rupture Characteristics of Shale in Laboratory** - C. Yin (Southwest university of Science and Technology)	11:30	**3D seismic analysis of the Cenozoic Lower Congo sedimentary system in the shelf-slope domain** - P. Jermannaud (Beicip Franlab)
11:50	**Surface-wave methods to estimate S- and P-wave velocity models** - F. Khosro Anjom (Politecnico di Torino)	11:50	**Analysis of seismic ambient noise spectral anomalies above fluid reservoirs** - C. El Khoury (MINES ParisTech – PSL Research University)	11:50	**Shelf to Deep – A snapshot of deep-water sedimentary systems along the western margin, South Africa** - R. Africa (Petroleum Agency SA)
		12:10	**Detection of seismic events by combined horizontal and vertical permanent DAS arrays at Curtin University Campus** - S. Yavuz (Curtin University, Exploration Geophysics)	12:10	**Assessing the effect of high-frequency sea level changes on shallow marine reservoirs using Forward Stratigraphic Modelling** - S. Bou Daher (Beicip-Franlab)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 1 - Adapting O&G Exploration to the New Energy Era** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Multicomponent Seismic Acquisition and Reservoir Monitoring		**Diffraction Modelling and Imaging** E. Landa (Tel Aviv University), A. Stovas (Norwegian University of Science & Technology)		**Carbonates and Evaporites** S. Gupta (Schlumberger)	
15:15	**Processing and imaging of four-component ocean-bottom node data over a giant Middle Eastern field** - E. Saragoussi (Schlumberger)	15:15	**Diffraction imaging applied to pre-salt Brazil synthetic and real data** - D. Lokshtanov (Equinor ASA)	15:15	**Sedimentary and diagenetic characteristics of Mid-Cretaceous bioclastic shoals in the H oilfield, Iraq** - H. Han (Research Institute of Petroleum Exploration And Development, Petrochina)
15:35	**Green's theorem wavefield separation for sparse OBN acquisition on a dipping seabed** - P. Docherty (Consultant)	15:35	**Modelling, imaging and interpretation of seismic diffractions for presalt carbonates** - S. Foss (Equinor ASA)	15:35	**Rock Typing Based on Geological Genesis of Khasib Reservoir in H Oilfield, Iraq** - N. Wang (Petrochina Research Institute of Petroleum Exploration and Development)
15:55	**Water layer removal by multidimensional deconvolution of a dense 3D ocean-bottom seismic field dataset** - D. Boiero (Schlumberger)	15:55	**Seismic Wavefield Separation using Independent Component Analysis** - A. Alali (Saudi Aramco)	15:55	**Sedimentological Model of the Isolated Carbonate Platform Dunquin South in Porcupine Basin, Ireland** - M. Garcia Gomez (Repsol)
16:15	**Seismic image improvements after correction for errors in OBN acquisition parameters** - E. Muijzert (Schlumberger)	16:15	**3-D Kirchhoff migration weights to separate point and edge diffraction** - P. Znak	16:15	**Weathering-related features and vuggy porosity generation in the Lula's Fingers interval – Brazilian pre-salt** - T. Rebelo (University Of Campinas)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Robust prediction of upgoing multiples using the direct arrival wavefield on OBS data** - P. Caprioli (Schlumberger)	16:55	**Time-dependent Scattering in Reverse Time Holography method** - G. Erokhin	16:55	**Multiscale carbonate stratigraphic and reservoir calibration for MK field in Central Luconia Province** - G. Jimenez Soto (Centre for Subsurface Imaging)
17:15	**Are fiber optic cables part of the next generation toolbox for CO2 storage monitoring?** - E. Rebel (TotalEnergies)	17:15	**Pre-stack diffraction separation and imaging by parameterizing the local slope** - C. Li (China University of Mining & Technology, Beijing)	17:15	**Diagenetic evolution of bioclastic limestone reservoirs and its effect on reservoir properties** - F. Li (Petrochina Research Institute Of Petroleum Exploration & Developmen)
17:35	**A North Sea case study: Does DAS have potential for Permanent Reservoir Monitoring?** - Å.S. Pedersen (Equinor)	17:35	**Wavefield decomposition for diffraction separation with a convolutional autoencoder for seismic and GPR data** - A. Bauer (University of Hamburg)	17:35	**Integrating Microfacies, Diagenesis and Sequence Stratigraphic Control on Reservoir Character of Eocene Sakesar Limestone, NW Pakistan** - H. Ur Rahim (Pakistan Museum of Natural History)
17:55	**Effects of nonrepeatability on time-lapse full-waveform inversion** - A. Mardan (INRS)				

Tuesday 7 June | Oral presentations

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ROOM D		ROOM E		ROOM F	
Estimating Permeability: Machine Learning and Other Methods T. Ait-Ettajer (Repsol), V. Rocca (Politecnico di Torino)		**Well Stimulation and Well Performance** M. Kotenev (SP), D.R. Perez (Ramp Energy)		**Play and Prospects Evaluation and Exploration in Complex Subsurface Setting** M.F. Francis (Retired), L. Zhang (Delft University of Technology)	
09:30	**Deep Learning Framework with Period and Attention Mechanisms for Porosity and Permeability Prediction** - L. Yang (China University of Petroleum (Beijing))	09:30	**An indirect method of fracturing pressure interpretation based on data-driven workflows** - L. Hou (The University of Warwick)	09:30	**Integrated approach to delineate stratigraphic prospect of carbonate shoal, Mishrif formation, Western UAE** - D. Xiao (BGP, CNPC)
09:50	**A data-driven method for permeability estimation of rough fractures** - C.A.S. Ferreira (Technical University Of Denmark)	09:50	**On the Near-Wellbore Geometry of Hydraulic Fractures Initiated from Horizontal Wells** - A. Michael (Cypriana Petroleum Technology, LLC)	09:50	**Alaska North Slope, The Nanushuk Play: "Back to the Future or to the Past"?** - T. Zapata (Repsol USA)
10:10	**Permeability Estimation From NMR Integrated with AI - Volve Field Case Study** - A. Alghamdi (Saudi Aramco)	10:10	**Improved Water Recycling by Flow-Back Enhancers in Slickwater Fracturing** - Z. Qi (Aramco Beijing Research Center)	10:10	**Risk & Resources – Prospect versus Well Predictions** - M. Neumaier ((ArianeLogix)
10:30	**Application of a Multiple-Input Deep Neural Network for Estimation of Reservoir Permeability** - M. Masroor (University of Tehran)	10:30	**Numerical investigation of hydraulic fractures in multiple horizontal wells: analysis of Zipper & Modified Zipper Fracking** - R.J. Bamidele Erimako (University of Central Lancashire)	10:30	**Increasing Resource Base Through Near Field Exploration: An Example from the Pikka Unit, Alaska, North Slope** - M. Finotello (Repsol USA)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**Permeability Estimates of Carbonate Reservoir by Using Flow Unit Theory and Bayes Discriminant Seismic Inversion Method** - C. Xin (BGP, CNPC)	11:10	**On the Scalability of Gelatin as a Reservoir Analogue in Hydraulic Fracturing Experiments** - A. Michael (Cypriana Petroleum Technology, LLC)	11:10	**Can Native Hydrogen be Part of the Energy Transition?** - G. Zamora (Repsol Exploración S.A.)
11:30	**Successful 3D Permeability Estimation** - K.A. Berteussen (Permeability Diagnostic Services)	11:30	**Integrated Evaluation of the Clean-up Performance of Unconventional Gas plays; Investigating the impact of desiccation** - E.C. Modebelu (University Of Central Lancashire)	11:30	**Unconventional Tight Gas Reservoirs - A Case Study From KG Basin Offshore, India** - S.C. Panda (Oil and Natural Gas Corporation Ltd.)
11:50	**A Novel Permeability Prediction Method with Uncertainty Evaluation** - M. Li (Sinopec Geophysical Research Institute)	11:50	**A Novel Cost-Effective Stimulation Workflow Unlocks New Perspectives for Matrix Acidizing in Fractured Carbonate from Egypt** - A. Hegazy (General Petroleum Company)	11:50	**Hyperparameter tuning of ML using RSM to determine parameters affecting the gas diffusivity in Coalbed reservoirs** - P. Naveen Pandit Deendayal Energy University Gandhinagar)
12:10	**Fluid flow across the fracture-matrix interface in chalk** - A.C. Glad (Technical Univeristy Of Denmark)	12:10	**Uncertainty Analysis of Modeling Wormhole Propagation in Carbonate Rocks** - Q. Sahu (Saudi Aramco)	12:10	**A novel method for calculating irreducible water saturation of tight gas reservoir** - J. Liu (China University of Petroleum)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 1 - Adapting O&G Exploration to the New Energy Era** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Well Placement Optimization A. Jahanbani Ghahfarokhi (NTNU), O. Leeuwenburgh (TNO / Delft University of Technology)		**Geostatistical Methods** M.P. Suess (University of Tuebingen)		**Exploration Case Histories** H. Atallah (ETAP), A. Laake (Schlumberger)	
15:15	**Well Location and Fishbones Design Optimization Using Python embedded in a geomodeller pre-processor** - A. Blanco (Rock Flow Dynamics)	15:15	**New workflow for uncertainty and model updating of facies simulations with hard data: real case application** - D. Di Curzio (Eni S.p.a.)	15:15	**R&D is the key element for O&G Exploration. The results of 2010-2021 Retrospective Analysis** - V. Vorobyev
15:35	**Statistical Analysis Methods for Well Placement** - M. Ismael (Saudi Aramco)	15:35	**A comprehensive workflow for managing uncertainties on unstructured grids, including filling and structural uncertainties** - P. Bive (TotalEnergies)	15:35	**Integration of New Data and Ideas to Test New Plays in Sri Lanka Offshore Frontier Basin** - C. Tu (Schlumberger)
15:55	**Probabilistic algorithm-driven well trajectory optimisation study for a green field project in the Norwegian Continental Shelf** - D. Corbo (RFD)	15:55	**Development of Novel Velocity-Resistivity Geostatistical Relationships for Tropical Granitic Environments** - A.S. Akingboye (Universiti Sains Malaysia, Adekunle Ajasin University)	15:55	**Integrated Reservoir Characterisation of a Permian Rotliegend Prospect** - G. Cole (CGG)
16:15	**Insuring infill well with skeletonization of 3D & 4D properties** - P. Thore (TotalEnergies)	16:15	**An Integrated Approach to Reserves Calculation for the Complex Reservoir in a Transition Zone: Case Study** - P. Grujevic	16:15	**Research and application of multi-purpose seismic processing method- A case study of southwest Qaidam Basin** - M. Xiao (Northwest Branch, RIPED Petrochina)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
		Well Design M. Kotenev (SP)			
16:55	**Joint Optimization Of Well Placement And Control Using Multi-Scale CMA-ES With Restarts** - A. Kumar (Visage Technology)	16:55	**Innovative Retrofit Straddle Deep Gas Lift Technology for Activating and Enhancing Oil Production** - H. Tyagi (Weatherford International)	16:55	**Innovative Understanding and Practice of Buried Hill Exploration in Huizhou Depression, Pearl River Mouth Basin, China** - J. Liu (China University of Petroleum (East China), CNOOC)
17:15	**Data-Analytics For Development Strategy Robust Optimization: A Successful Application** - C.C. Stabile (ENI S.p.A.)	17:15	**Ultra-Lightweight Cement Designing for Uncontrollable Hydrostatic Pressure in the Wells; A Workover Operation Field Study** - H. Ameri (Petroleum University of Technology)	17:15	**Seismic identification of oolitic shoal in an isolated platform and its geological significance** - X. Han (BGP CNPC)
		17:35	**Designing an Observer to Estimate State Variables in Managed Pressure Drilling for Narrow Mud Windows** - Y. Arjmand (AmirKabir University of Technology)	17:35	**From source rocks to the surface: the fate of gas seepage in high Arctic fjords, Svalbard** - N. Rodes (The University Centre In Svalbard, University of Bremen)
		17:55	**The Important Role of Flow Control Device Technologies in Delivering NET ZERO Production** - M. Moradi (Tendeka)	17:55	**Estimating Ordovician Source Rock Potential; Frontier Exploration of the onshore Canning Basin Western Australia** - J. Van Hattum (Theia Energy Pty Ltd)

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ROOM G		ROOM H		ROOM I	
FWI and Velocity Model Case Studies 1 H. Chauris (ARMINES), P.R. Williamson (TotalEnergies)		**Multiple Attenuation 1: Up/Down Wavefield Deconvolution, Imaging with Multiples, Case Histories** G. Hampson (DUG), R.G.K. Johnston (BP Exploration Operating Co. Ltd)		**High Performance Computing** A. St-Cyr (Shell Global Solutions BV)	
09:30	**High-resolution full-waveform inversion for structural improvement and prospects delineation: A case study at Haugaland High** - N. Salaun (CGG)	09:30	**Deconvolution of upgoing and downgoing wavefields: A data example from the Utsira OBN survey** - T. Seher (TGS)	09:30	**Tile-Low Rank compressed multi-dimensional convolution and its application to seismic redatuming problems** - M. Ravasi (King Abdullah University of Science and Technology)
09:50	**PS imaging on the Edvard Grieg field: application of PS Reflection FWI and FWI Imaging** - M. Peiro (CGG)	09:50	**Adaption-free OBN demultiple using up-down deconvolution and wave-equation deconvolution** - Z. Jin (CGG)	09:50	**Efficient visualization methods for large scale reservoir models** - D. Sabitov (Aramco Research Center)
10:10	**Improved Reservoir Image and Well Placement Using Time-Lag Full Waveform Inversion** - P.E. Dhelie (Lundin Energy Norway AS)	10:10	**Solving the challenge of internal multiples in the Clair field** - R. Ford (Schlumberger)	10:10	**Residual statics estimation with quantum annealing** - M. Dukalski (Aramco Overseas Company B.V.)
10:30	**Dynamic Matching FWI using Dense Long Offset OBN Data in the Norwegian North Sea** - M. Hart (TGS)	10:30	**Utilising multiple energy to improve imaging of the near surface through gaps in acquisition coverage** - A. Ramsden (Schlumberger)	10:30	**Parallel fast sweeping method for computing seismic attenuated time** - Y. He (Aramco Research Center - Beijing)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**Improved imaging through FWI and Least Squares Kirchhoff Migration: A Dutch North Sea Example** - C. Purcell (Shearwater)	11:10	**Research on joint imaging of primaries and internal multiples based on RTM** - Z. Li (China University of Petroleum)	11:10	**Efficient estimation of local kinematic operators in nonlinear beamforming using GPU graphics cards** - Y. Sun (Aramco Research Center - Delft)
11:30	**Trade-off between cost and quality for operational FWIs** - P. Trinh (TotalEnergies)	11:30	**Multi-Dimensional Deconvolution with stochastic gradient descent** - M. Ravasi (King Abdullah University of Science and Technology)	11:30	**Placement and Design of Hydrocarbon Multilateral Wells using Mathematical Optimization** - M. Ismael (Saudi Aramco)
11:50	**Integrating FWI and reflection tomography to rejuvenate legacy seismic data: an example from the Faroes-Shetland Basin** - A. Castiello (PGS)	11:50	**Optimized 3D and true-azimuth internal multiple attenuation in the Santos Basin** - F. Xavier de Melo (Schlumberger)	11:50	**Implications of dimensionality reduction techniques in training the deep residual network for ERT data modelling** - A. Bansal (Indian Institute of Technology Kanpur)
12:10	**Sub-basalt Imaging in the NW Europe Atlantic Margin – Latest Results** - S. Baldock (TGS)	12:10	**Revealing hidden details of Burgan field; ultra-dense seismic and borehole data integration through advanced processing workflows** - A. Mohamed (Schlumberger)	12:10	**Scaling and optimizing performance and cost of machine learning ingestion on unstructured data for subsurface applications** - L.C.I. Panganiban (Iraya Energies)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 1 - Adapting O&G Exploration to the New Energy Era** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Elastic FWI Approaches A. Abubakar (Schlumberger)		**Multiple Attenuation 2: Marchenko Methods, and Case Histories** D. Lokshtanov (Equinor ASA)		**PINNs & ML for Seismic** O. Gramstad (Schlumberger), R.G. van Borselen (Aramco Overseas Co BV)	
15:15	**Parameterization analysis in elastic full-waveform inversion of multi-component seismic data** - J. Cao (Univ. Grenoble Alpes, ISTerre)	15:15	**Elastodynamic Marchenko Green's function retrieval from two-sided reflection and transmission data** - J. Van der Neut (Delft University of Technology)	15:15	**High-dimensional wavefield solutions using physics-informed neural networks with frequency-extension** - X. Huang (King Abdullah University of Science and Technology)
15:35	**Elastic full waveform inversion using approximate adjoint operators** - X. Zhang (Shandong Academy of Sciences, Sino-Ukrainian Ocean Acoustics Technology Innovation Center)	15:35	**Acoustic plane-wave Marchenko multiple elimination applied on complex marine data** - C. Reinicke (Aramco Overseas Company BV)	15:35	**A holistic approach to computing first-arrival traveltimes using physics-informed neural networks** - U.B. Waheed (King Fahd University of Petroleum and Minerals)
15:55	**Elastic full waveform inversion based on an optimized flux-corrected transport** - J. Zhu China Univeisity Of Petroleum(East China))	15:55	**Marchenko multiple elimination using conventional vs advanced 3-D to 2-D conversion on marine data** - M. Dukalski (Aramco Overseas Company B.V.)	15:55	**Predictive uncertainty quantification for Bayesian Physics-Informed Neural Network (PINN) in hypocentre estimation problem** - M. Izzatullah (King Abdullah University of Science and Technology)
16:15	**Localized elastic FWI via seismic data focusing** - M. Bosch (Info Geosciences LLC)	16:15	**Reducing the overburden-related artifacts in target-oriented least-squares migration by Marchenko double-focusing** - S.M.A. Shoja (Delft University of Technology)	16:15	**StorSeismic: An approach to pre-train a neural network to store seismic data features** - M.R.C. Harsuko (King Abdullah University of Science And Technology)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Full waveform inversion in fractured media based on velocity-stress wave equations** - K. Wang (China University Of Mining & Technology (Beijing))	16:55	**Implications of evanescent waves for the Marchenko method through the lens of the transfer-scattering matrix relation** - M. Dukalski (Aramco Overseas Company B.V.)	16:55	**Ground Roll Attenuation using Convolutional Neural Network with Dense Connected Mechanism** - L. Yang (China University of Petroleum (Beijing))
17:15	**Estimation of formation water saturation using full waveform inversion (FWI) in poroelastic media.** - A. Sen (Indian Institute of Technology Kanpur)	17:15	**Adaptive multiple subtraction using a U-Net network applied to the double-focusing method** - M. Souza (Senai Cimatec, UFBA)	17:15	**Next generation survey adapted synthetic seismic training data with cycleGAN's** - A.J. Bugge (Lundin Energy Norway AS)
17:35	**Elastic land full-waveform inversion in the Middle East: method and applications** - G. Lambaré (CGG)	17:35	**Extremely shallow water demultiple method and its application in fluvial facies oilfield of Bohai Bay** - X.Y. Duan (China National Offshore Oil Corporation Tianjin Branch)	17:35	**A genetic algorithm to screen gas storage candidates and better predict flow paths using seismic data** - A. Thomas (Seisnetics)
17:55	**Elastic Reflection Full Waveform Inversion With Second-Order Optimization** - W. Xu (Sinopec Geophysical Research Institute, Zhejiang University, Tongji University)	17:55	**Understanding the Red Sea imaging complexities and potentials: Pushing the limits beyond routine seismic processing strategies** - R. Alai (PETRONAS)	17:55	**Learning to unflood the salt in Full-waveform inversion, application on vintage GOM data** - A. Alali (KAUST)

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ROOM J		ROOM K		ROOM L	
Marine Seismic Acquisition P.M. Fontana (PXGEO), M. Widmaier (PGS)		**AVO Theory and Inversion** P. Harris (Sharp Reflections Ltd), T.J. Moser (Seismik s.r.o.)		**Machine Learning & AI for Seismic Reservoir Characterization** F.M. Miotti (Cognite)	
09:30	**Smaller Marine Sources for Higher Density Data: A 3D Field Trial in the Central North Sea** - A. Crosby (BP)	09:30	**A new approximation to the reflection coefficient based on the diffusive-viscous wave equation** - Z. Wang (Xi'an Jiaotong University)	09:30	**Seismic facies characterization of Polok discovery using neural networks and hybrid clustering, southern GoM** - M.A. Yanez Luciani (Repsol)
09:50	**Enhanced low frequencies in airgun arrays, a modelling and field experiment** - S. Rentsch (Shearwater)	09:50	**Gradient descent Optimization Method for AVO Inversion in Viscoelastic Media** - N. Ahmed (University of Stavenger)	09:50	**An elegant lithoseismic method using deep learning applied to 3D mapping of turbiditic systems** - L. Boillot (TotalEnergies)
10:10	**A 4D Ready Marine Vibrator** - T. Elboth (Shearwater)	10:10	**Reflection coefficients of spherical PS waves considering non-geometric waves at a viscoelastic interface** - X. Liu (CPG, King Fahd University of Petroleum and Minerals)	10:10	**Improving automatic estimation of rock properties in the presence of geological complexes using machine learning** - K. Dhar Gupta (Schlumberger)
10:30	**The acoustic wavefield generated by a vessel sailing on top of a streamer spread** - S. Hegna (PGS)	10:30	**Analysis of the effect for strong anisotropy on AVO in TTI medium** - K. Liang (China University Of Petroleum (East China))	10:30	**Quality uncertainty analysis of travertine architectural elements associated to lacustrine carbonate deposits via Deep Transfer Learning** - P.H. Silvany Sales (Petrobras)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**What is the right level of acquisition effort to enable successful, cost-effective exploration?** - M. Branston (Schlumberger)	11:10	**Post-Critical And Near-Critical Reflections In Seismic Avo Inversion** - A. Gisolf (Delft Inversion)	11:10	**Knowledge network method for automatic static and dynamic reservoir model building** - M. Bosch (Info Geosciences LLC)
11:30	**Combining wide-tow multi-sources with a non-uniform streamer configuration: A case study from the Sarawak Basin** - M. Widmaier (PGS)	11:30	**Data-driven, direct Rock-Physics inversion of Pre-Stack Seismic data.** - M. Corrales (King Abdullah University of Science and Technology)	11:30	**Seismic impedance inversion via combining convolutional neural network and geostatistics: An example from Songliao Basin, China** - Q. Ge (PetroChina)
11:50	**Combining sparse nodes with dense streamers to address salt-basin imaging challenges in the Barents Sea** - P.E. Dhelie (Lundin Energy Norway AS)	11:50	**Linearized rock physics inversion based on Geostatistics** - Y. Cao (China University Of Petroleum, Beijing)		
12:10	**The SeaHorse Concept for Automated Subsea Operations** - P. Hanssen (Equinor)	12:10	**Probabilistic prediction of elastic parameters constrained by sparse lithology prior** - P. Wang (Central South University, Hunan Key Laboratory of Nonferrous Resources and Geological Hazard Exploration)		
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 1 - Adapting O&G Exploration to the New Energy Era** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Seismic Acquisition A. Ourabah (STRYDE), M. Di Giulio (CEPSA E.P. S.A.)		**AVO Applications and Quantitative Interpretation Case Studies** P. Avseth (Dig Science), M.R. Saberi (GeoSoftware)		**Anisotropy & Fractured Reservoirs** M.M. Abedi (BCAM)	
15:15	**On the validity of the convolutional model in onshore vibroseis** - C. Bagaini (Schlumberger)	15:15	**A case study of facies-control Geostatistical inversion method in Bohai Bay** - X.Y. Duan (China National Offshore Oil Corporation Tianjin Branch)	15:15	**Rapid generation of synthetic seismograms for tight sandstone reservoir by the anisotropic reflectivity method** - Z. Yang (Exploration And Production Research Institute, Sinopec)
15:35	**Vibroseis acquisition with fully controllable sweep signals based on borehole VSP data analysis** - I. Korotkov	15:35	**Gas saturation characterization of tight sandstone via AVO attributes** - Y. Tian (Xi'an Jiaotong University, Norwegian University of Science and Technology)	15:35	**Prediction of Buried Hill Fracture Development Zone by F-K Domain Enhancement** - L. Gongli (Bohai Oilfield Research Institute of CNOOC)
15:55	**Improving the vibrator ground force on sandy surface in Middle-East desert environments** - J. Criss (INOVA Geophysical)	15:55	**Pre-stack AVO tuning effect analysis and the application on hydrocarbon detection** - X. Xie (Bohai Oilfield Research Institute)	15:55	**Analysis of the influence of tilt angle on AVAZ in TTI media** - W. Xiang (China University of Petroleum(East China))
16:15	**Attenuation of wind noise by seismic surface arrays and nodes** - E. Muijzert (Schlumberger)	16:15	**Quantitative inference of reservoir porosity and flow units in the Brazilian pre-salt.** - J. Oliveira (University Of Campinas)	16:15	**The comparison of TV regularization algorithms for the VTI anisotropy parameters inversion** - S. Li (State Key Laboratory of Petroleum Resources and Prospecting, China University of Petroleum (Beijing))
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Beyond fold and illumination: noise modelling and calibration for the survey design** - C. Strobbia (Real Time Seismic)	16:55	**Horizon auto-picking with quantitative uncertainty evaluation by using a modified VQ-VAE network** - C. Yuan (RIPED-Northwest, PetroChina)	16:55	**Direct approximation of traveltime derivatives for geometric spreading calculation in layered VTI media** - M.M. Abedi (BCAM)
17:15	**Surface seismic with DAS using omnidirectional cable: a modeling study** - A. Egorov (Aramco Research Center)			17:15	**Simulation and characteristics analysis of a wavefield in HTI media adopting an improved pure P-wave equation** - J. Shan (China University of Petroleum (East China))
17:35	**FreeCable four-component analysis: An interpretation workflow of real data in complex marine and subsurface environment** - E. Bathellier (Kietta)			17:35	**Inversion of fracture weaknesses for HTI media using walkaround VSP data** - M. Li (China University Of Geosciences (Beijing), Norwegian University of Science and Technology)
17:55	**Shallow velocities estimation by multiples in Boomer surveys** - A. Vesnaver (OGS)				

Technical Programme

Tuesday 7 June | Oral presentations

Last updated 2 May 2022

ROOM M		ROOM N		Room O	
CSEM and MT A. Price (TotalEnergies - OneTech), C. Tang (TGS)		**Geological Storage of Hydrogen or CO2 - 1 (Joint EAGE/SPE)** M. Bakhtbidar (Universitat de Barcelona), T. Manai (Schlumberger)		**Carbon Efficient Reservoir Management and Extraction of Heat 1 (SPE)** T. Manai (Schlumberger), T. Yang (Equinor)	
09:30	**Why is CSEM not more widely used?** - A. Price (TotalEnergies)	09:30	**CO2 Plume Migration in Tilted Aquifers Subject to Groundwater Flow** - M. Awag (Heriot-watt University)	09:30	**Integrated Geo-dynamic Modelling and Investigation of Pressure-Dependent Permeability to Increase Working Gas Capacity of a Reservoir** - C. Cranfield (Baker Hughes)
09:50	**Forward modeling of marine CSEM data using an integral equation with T-matrix and Extended Born approximations** - M. Bayat (University Of Tehran)	09:50	**Development of a Coupled Well-Reservoir Model for CO2 Injection** - R. Valladares de Almeida (Repsol Sinopec Brasil)	09:50	**Construction of Single-porosity and Single-permeability Models as Low-fidelity Alternative to Represent Fractured Carbonate Reservoirs Subject to** - D. Menezes (University of Campinas)
10:10	**CSEM modelling using high order FDTD on the nonuniform grid** - P. Yang (Harbin Institute of Technology)	10:10	**From surface deformation to pressure fields: contribution of machine learning to cost-effective CO2 injection monitoring.** - J. Dujardin (NGI)	10:10	**Temperature Transient Modeling and Analysis for Hydraulically Fractured Wells** - M. Onur (The University of Tulsa)
10:30	**Parallelized 3D Inversion for CSEM Data With Unstructured Tetrahedral Elements in Data Space** - Z. Long (Zhengzhou University, China University of Geosciences (Wuhan))	10:30	**Efficient reservoir detection – A rapid mapping approach for nearfield exploration and carbon capture and storage** - A. Laake (Schlumberger)	10:30	**Reducing Carbon Footprint of Matrix Acidizing in Carbonate Formations. How Much Acid Do We Really Need** - M. Ali (Baker Hughes)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**Efficient 3D CSEM inversion in fictitious wave domain** - P. Yang (Harbin Institute of Technology)	11:10	**Driving Factors for Purity of Withdrawn Hydrogen: A Numerical Study of Underground Hydrogen Storage With Various** - G. Wang (Heriot-Watt University)	11:10	**Case Study: Analysis of Refracturing Crack Orientation-angle and Extension-length in Tight Gas Reservoir, Sulige Gasfield of** - Y. Wang (China University of Petroleum Beijing)
11:30	**The feasibility of CSEM monitoring in gas hydrate production of the range of porosity and saturation** - Y. Li (Beijing Information and Science Technology University, Beijing University, Delft University of Technology)	11:30	**Energy Transition by Employing a Self-healing, Reduced Carbon Dioxide Footprint Sealant in a Strategic Underground Gas** - S. Sari (Schlumberger)	11:30	**Design and Application Evaluation of Revolutionary Inflow Control Devices Enhanced Bitumen Recovery and Thermal Efficiency in** - G. Liang (Research Institute of Petroleum Exploration and Development, CNPC)
11:50	**Application of Hybrid Algorithm with Bayesian Probability Density Function over VES, MT and Receiver Function** - M. Mukesh (IIT(ISM))	11:50	**Model For Predicting Wellbore Temperature And Pressure In Offshore Co2 Storage Wells And The Influencing Factors** - W. Ma (China University of Petroleum (East China))		
12:10	**Data-space implementation of regularized Gauss-Newton method in 3D inversion of the Lithoprobe and EarthScope MT data** - E. Nadasi (University of Miskolc)				
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 1 - Adapting O&G Exploration to the New Energy Era** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Potential Field Methods L. Cascone (Repsol), R. Streich (Shell Global Solutions International BV)		**Geological Storage of Hydrogen or CO2 - 2 (Joint EAGE/SPE)** M. Branston (Schlumberger), F.M. Verga (Politecnico di Torino Diati)		**Geomechanics and Overburden Hazards** M. Brignoli (Eni S.p.A. E&P), E. Cauquil (TotalEnergies)	
15:15	**Interpretation of Gravity Gradiometry Data from Bonaparte Basin and Halls Creek Orogen, Northern Australia.** - M. Zengerer (Gondwana Geoscience)	15:15	**Unsupervised AI workflow to evaluate CO2 storage and geothermal potential over a giant mature gas field.** - B. Laugier (Seisnetics)	15:15	**Present-day crustal stress field from GCMT focal mechanisms based on the Slip Model** - A. Olaiz Campos (Repsol Exploration S.A.)
15:35	**Joint inversion of gravity and magnetic fields: first results of the XORN project** - D. Sampietro (Geomatics Research & Development s.r.l.)	15:35	**The Carbon Utilization and Storage Partnership of the Western US: Accelerating Commercial De-Carbonization Projects** - R. Balch (New Mexico Tech)	15:35	**The critical role of yield stress uncertainties on chalk reservoir compaction** - F. Amour (DTU, DHRTC)
15:55	**Gravity survey technique and its applications for deep oil and gas exploration** - H. Si (BGP, CNPC)	15:55	**Underground Hydrogen Storage in the Baltic Countries: Future Outlook for Lithuania** - A. Shogenova (Tallinn University of Technology)	15:55	**Effect of Shale-rock anisotropy on wellbore stability analysis** - J. Alvarellos (Repsol TechLab)
16:15	**Southern Gulf of Mexico: potential-field modelling enlightening regional- scale understanding** - G. Bancalà (Schlumberger)	16:15	**Real-Time and Continuous Monitoring of Submarine Volcanism with a SeaExplorer Glider: perspective for carbon storage monitoring** - O. De Fommervault (Alseamar)	16:15	**New insights into Wellbore Stability Analysis with integration of Petrophysics, Rock Physics, Geology, Geomechanics and Drilling** - V. Swami (CGG)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**A new hybrid approach in gravity data inversion via GA and wavelet transformation** - M. Reshadati (University Of Tehran)	16:55	**Maximization Of CO2 Accessible Storage Resources By Fill And Spill Analysis** - D.G. Fernandez-Valderrama (Repsol Exploracion)	16:55	**Stress conditions in an unconventional reservoir altered by the local geological structures.** - J.M. Segura (Repsol)
17:15	**Geometrical inversion coupled with automated geological modelling** - J. Giraud (RING Team - Université de Lorraine, University of Western Australia)	17:15	**Seismicity Induced by Cooling of CCS Reservoirs** - H. De Pater (Fenix Consulting Delft)	17:15	**Fracture interaction in multiwell configuration's using advanced geomechanical numerical modelling** - E. Ibáñez Martínez (Repsol)
17:35	**Excess Mass from DEXP Transformation of the Gravity Field** - M. Maiolino (University Of Naples "Federico II")	17:35	**The Impact of CCUS for Improved Oil Recovery on CaCO3 Scaling Potential of Produced Fluids** - G. Ness (Flow Confidimus)	17:35	**Dynamic analysis of multifrequency 3D seismic datasets to identify potential geohazards in the Sea of Okhotsk** - A. Pirogova
		17:55	**Fly Ash Nanoparticle-stabilized Emulsions For Improve Mobility Control Application** - W. Wang (China University of Petroleum (Beijing))	17:55	**Gas chimneys identification for Shallow Hazards Assessment using seismic attributes** - J. Reveron (Repsol)

Tuesday 7 June | Oral presentations

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Room P		ROOM Q	
AI in Geoscience and Geophysics: Current Trends and Future Prospects (Dedicated Session) C. John (Imperial College London), J.H. van de Mortel (Independent)		**Net Zero Economics (SPE)** B. Stewart (Independent), P. van den Hoek (Panterra Geoconsultants BV)	
09:30	**Seismic Data Interpolation: Deterministic vs Deep Learning: A Case Study** - E. Verschuur (Delft University of Technology; Delphi Consortium)	09:30	**Hydrogen Storage to Decarbonize Austria's Energy Consumption** - T. Clemens (OMV E&P GmbH)
09:50	**Deep Learning Applications for Integrated Subsurface Interpretation and Modeling** - H. Di (Schlumberger)	09:50	**Forecasting Asset Lifecycle Profitability Through Energy Efficiency and CO2 Utilization Initiatives** - L. Saputelli (Frontender Corporation)
10:10	**Presentation by F. Hermann (Seismic Laboratory for Imaging and Modeling)**	10:10	**A Novel Methodology to Reduce Carbon Footprints: Trials of Residual Heat Recycling in China and Middle** - F. Jin (CNPC Engineering Technology R&D Company Ltd.)
10:30	**Advances in self-supervised, blindspot denoising** - C, Birnie (King Abdullah University of Science and Technology)	10:30	**Model-based Life-cycle Optimization for Field Development and Management Integrated With Production Facilities** - D. Schiozer (University of Campinas)
10:50	Coffee break	10:50	Coffee break
11:10	**What does it take to trust ML in Drilling Operations** - T. Yang (Equinor)		
11:30	**Satellite based workflows for Energy Industry Activity Detection** - J. Zheng (Enverus)		
11:50	**Presentation by Y. Lin (Los Alamos National Laboratory)**		
12:10	**Short Presentations and discussion of results Hackathon winners & Looking Ahead**		
12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 1 - Adapting O&G Exploration to the New Energy Era** - Room G		
13:45	Lunch	13:45	Lunch
Energy Transition Technologies Powering Progress towards a Net Zero Future (Dedicated Session) B. Bellwald (Volcanic Basin Petroleum Research (VBPR) AS), A. Correnti (Shell), C. Martin-Clave (Jacobs)		**Sustainability in the Energy Industry (SPE)** B. Stewart (Independent), F. Verga (Politecnico di Torino)	
15:15	**COP26 – Overview, Implications, Challenges but also Opportunities for the Energy Industry** - C. Banks (Schlumberger)	15:15	**Differentiation of Cement and Creeping Formation Behind Casing Key to Successful Plug and Abandonment** - S. Gupta (Schlumberger Information Solutions)
15:35	**Ground Modelling of Offshore Wind Farms and Cable Routes** - M. Jameson (Ørsted)	15:35	**Global Demand of Nonmetallic Applications in Construction** - A. Al Qubali (Aramco Overseas Co.)
15:55	**Presentation on Offshore Wind** - A. Emery (Gavin and Doherty Geosolutions)	15:55	**Can Reasonable Certainty be Assessed From Disclosed Proved Reserves Revisions?** - E. Morales (ISVA Oil & Gas Consultancy)
16:15	**Systematic Approach to Deep-Sea Mineral Exploration – Thinking Outside the Oil-and-Gas Box** - A. Lim (Argeo)	16:15	**Synergistic Cooperation With Energy Transition Initiatives of Oil Producing Countries and NOC From IOC Standpoint** - H. Yonebayashi (INPEX Corporation)
16:35	Coffee break	16:35	Coffee break
16:55	**Unlocking the CO2 storage potential of the Celtic Sea Basins from hydrocarbon exploration legacy data** - P. Rodriguez Salgado (iCRAG, University College Dublin)	16:55	**Reducing the Risk of Co2 and H2S Emissions to the Environment and Energy Consumption From Overhead** - F. Kurniawan (JOB Pertamina-Medco E&P Tomori Sulawesi)
17:15	**Geophysical and Geological Characterization of Geothermal Fault-Controlled Systems. The Vallès Basin Case of Study (NE Spain)** - G. Mitjanas (Universitat de Barcelona)	17:15	**Repurposing Oil and Gas Wells for Geothermal Energy Production** - W.D. Hartell (Stellae Energy Ltd.)

Technical Programme

Tuesday 7 June | e-Poster presentations

Last updated 2 May 2022

POSTERS 1		POSTERS 2		POSTERS 3	
Poster: Carbonates G.S. Aillud (PetroStrat Ltd), H. AlKawai (Saudi Aramco)		**Poster: Exploration Case Histories** L. Michou (CGG)		**Poster: CCS and Utilization & Gas Storage** M. Nooraiepour (University Of Oslo), S. Wu (BP)	
09:30	**Carbonate mud mounds: facies, environmental control, a case study of the Mobarak Formation Central Alborz, Iran** - Y. Nasiri (Ferdowsi University of Mashhad, University of Gonabad)	09:30	**Structural Interpretation of Egypt's Western Desert using state-of-the-art Gravity Gradiometry** - J. Watson (AustinBridgeporth)	09:30	**The CO2 migration revealed by time-lapse seismic monitoring and flow simulation at the Shenhua storage site** - Z. Yang (Chinese Academy of Sciences)
09:50	**Rock pore structure parameters estimation via pre-stack inversion** - G. Wang (China University of Petroleum (Beijing))	09:50	**Determination of reservoir properties using multidisciplinary approach in construction of conceptual geological model** - A. Gogic	09:50	**Technical inputs for Carbon Storage Visualization: Seismic hazard characterization in Indonesia** - A. Olaiz Campos (Repsol)
10:10	**Mechanism Driven Dolomite Mapping** - S. Zhang (Saudi Aramco)	10:10	**Hydrocarbon potential of the San Pedro Basin (Dominican Republic): New insights from source rock sampling.** - J.M. Gorosabel-Araus (Universidad Complutense of Madrid)	10:10	**Managing the transition – getting CO2 EOR to pay for future CO2 storage** - S. López Kovács (Repsol Exploracion)
10:30	**Identification, mechanism and distribution of dolomitic barrier and baffle in marine clastic reservoir** - G. Qin (RIPED CNPC)	10:30	**A 3D seismic acquisition case in the piedmont zone with complex obstacles in South Tianshan Mountain** - X. Zhou (BGP, CNPC)	10:30	**Quantitative Study to Optimise Performance of LNG Satellite Terminal by varying Process Parameters** - D. Pandey (University of Petroleum & Energy Studies)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
Poster: Novel Approaches to Saturation, Porosity and Spontaneous Potential M. Nooraiepour (University Of Oslo), C. Tarchiani (Eni S.p.A.)				**Poster: Rock-Physics and Quantitative Interpretation in Fractured Media** M. Jaya (Petroliam Nasional Berhad (PETRONAS)), L.G. Klefstad (Norwegian Petroleum Directorate)	
11:10	**Comparison Analysis of Water Resistivity Measurements for a Giant Carbonate Reservoir in Middle East** - H. Al-Ibadi (Heriot-Watt University, Missan Oil Company)	11:10	**High-precision Velocity Modeling Technology of Subsalt Structure and Its Application in Deep Carbonate Imaging** - H.H. Zeng (RIPED - NWGI PetroChina)	11:10	**Study on intrinsic and fracture induced VTI anisotropy of marine shale in Sichuan Basin** - C. Chen (China University of Petroleum (East China), Sinopec Exploration Company)
11:30	**Method of Bound Water Saturation Evaluation for Shale Combining Empirical Mode Decomposition and Fractal Theory** - S. Wang (China University of Petroleum)	11:30	**Fine description of three-dimensional Jurassic paleogeomorphology and practice of structural-lithological reservoir exploration in Shancheng, Ordos Basin** - P. Yu (RIPED CNPC)	11:30	**Shear wave splitting analysis method based on gradient descent** - Z. He (Chengdu University of Technology)
11:50	**Numerical simulation of spontaneous potential in a model of clayed fluid-saturated sandstone** - A. Glinskikh	11:50	**Quantifying depth uncertainty: A geostatistical velocity and anisotropy analysis over the Petrel field, Australia** - K. Dancer (DUG Technology)	11:50	**The umbilic points in ellipsoidal orthorhombic medium** - S. Xu (Kyoto University)
12:10	**A Novel Formation Density Logging Method Base on Dual-Energy X-Ray** - L. Zhong (China University Of Petroleum (East China))			12:10	**Effective pressure laws for dual porosity limestone** - P. Baud (University of Strasbourg (EOST/CNRS))
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 1 - Adapting O&G Exploration to the New Energy Era** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Poster: Velocity Estimation and FWI Methodologies		**Poster: Sedimentary Systems & Tectonics & Reservoir Quality** M.F. Francis (Retired), C.J. Lowrey (Spirit Energy)		**Poster: EOR: Nanoparticles and Rock-Fluid Interactions** H. Al-Ibadi (Heriot-Watt University), K.L. Feilberg (Technical University of Denmark)	
15:15	**Application of VSP driving velocity model correction method while drilling in Tarim Basin** - J. Liu (RIPED - Northwest, Petrochina)	15:15	**Sedimentary characteristics of shallow-water delta: Land-sea transitions at the Sichuan Basin, China** - J. Li (China University of Petroleum (East China))	15:15	**Recovery of carboxylic acid tracers in two phase flow experiments with Danish chalk** - K. Huynh (Technical University Of Denmark)
15:35	**An efficient solution against chimney artifacts in RFWI induced by depth-velocity coupling at narrow aperture** - T. Zhou (TotalEnergies)	15:35	**Environmental Facies Analysis of the Productive Series in the Kura Basin, Azerbaijan** - G. Zeynalov (Baku Higher Oil School)	15:35	**Adsorption Behaviour of Karanj Oil Surfactant - Role of Different Adsorbent Surfaces** - H. Kesarwani (Rajiv Gandhi Institute Of Petroleum Technology)
15:55	**Diving waves in orthorhombic media** - K.T. Galtung (Norwegian University Of Science And Technology)	15:55	**Lower Cretaceous Deep-Water MTD complexes in the West Siberian Basin: Identification, Features and Scales** - S. Stankovic	15:55	**Mechanistic Investigation of Synergism between LSW, SDBS and SiO2 Nanoparticle as a Chemical Agent in CEOR** - A. Esfandiarian (Islamic Azad University)
16:15	**Upwind, No More: Flexible Traveltime Solutions using Physics-Informed Neural Networks** - M.H. Taufik (King Abdullah University of Science and Technology)	16:15	**Provenance and tectonic setting of Early Permian strata in the Kalmard Area, Central Iran Zone** - S. Taghdisi Nikbakht (University of Hormozgan, University of Gonabad)	16:15	**Development of Nanofluids: A Recent Investigation of Novel Mechanism to Displace Oil** - L. Hendraningrat (PETRONAS)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Adaptive Structure-Oriented Full-Waveform Inversion with Restarted L-BFGS Algorithm** - L. Luo (China University of Petroleum (Beijing))	16:55	**Structural analogies and homologues between the West Mediterranean and Black Sea regions tectonic tailoring** - A. Kitchka (SE Ukrainian Research Institute of Natural Gases)	16:55	**Experimental study of flooding by associated gas and surfactant of deposits of ultra-low-permeable shale oil** - A. Ushakova
17:15	**Highly-accurate wavefield reconstruction inversion using convergent Born series** - H. Aghamiry (Université Côte d'Azur)	17:15	**The vertical deformation mechanism and its hydrocarbon significance in the Hu area, Southern Junggar Basin** - X. Zhang (BGP, CNPC)	17:15	**Viscous Froth Lens: Steady-state Analysis** - H. Zhang (Imperial College London)
17:35	**Mono-parameter poroelastic FWI for the reconstruction of the shallow-seismic data** - T. Liu (Karlsruhe Institute of Technology)	17:35	**Integrated petrophysical and sedimentological characterization of chlorite-bearing late Devonian reservoir sandstones, Chaco Basin, Bolivia.** - B. Valsardieu (Beicip Franlab)	17:35	**Enhanced oil recovery in heterogeneous reservoir by CO2-Colloidal Gas Aphrons fluid injection** - N. Nguyen Hai Le (Kyushu University, HCMUT, Vietnam National University Ho Chi Minh City)
		17:55	**A Semi-quantitative Method to Quantify Clay-sized Quartz in Gas Shale** - S. Guo (Montanuniversitaet Leoben, China University of Mining and Technology)		

Wednesday 8 June | Oral presentations

Last updated 2 May 2022

ROOM A		ROOM B		ROOM C	
Simultaneous Source S. Grion (Shearwater GeoServices), T. Seher (TGS)		**FWI and Velocity Model Case Studies 2** M.C. Tanis (Hess Corporation), M. Di Giulio (CEPSA E.P. S.A.)		**Advancing Formation Evaluation with Simulation and Signal Processing** M. Charara (Aramco Research Center), B. Khadhraoui (TotalEnergies)	
09:30	**Enhanced source separation for phase-sequenced simultaneous source marine vibrator data** - A. Nath (Shearwater Geoservices)	09:30	**Full Waveform Inversion - Offshore Colombia case study** - O. Clauss (Repsol)	09:30	**Transient electromagnetic borehole sounding technology for examining unconventional hydrocarbon reservoirs** - I. Mikhaylov
09:50	**A new generation low frequency vibrator improves data quality and acquisition productivity** - J. Criss (INOVA Geophysical)	09:50	**Simultaneous joint inversion strengthening full-waveform inversion in the southern Gulf of Mexico** - M. Clementi (Schlumberger)	09:50	**Consistent Interpretation of Geological Facies across WL and LWD Borehole Images with Technology Advances** - C. Shrivastava (Schlumberger)
10:10	**Deblending of frequency overlapping multi-sweep 3D dispersed source array data** - C. Tsingas (EXPEC Advanced Research Center, Saudi Aramco)	10:10	**Full wavefield, full-waveform inversion approach to model building in the Perdido fold belt** - K. Glaccum (Schlumberger)	10:10	**New Advances for Fracture Characterization with LWD Images and Real-time Enablers: Case Study from Algeria** - C. Shrivastava (Schlumberger)
10:30	**Towards using neural networks to complement conventional seismic processing algorithms** - T. Lesieur (CGG)	10:30	**Sparse-node acquisition for data fitting velocity modelling via FWI** - D. Vigh (Schlumberger)	10:30	**Simulating geophysical logging data set for machine learning** - R. Shao (China University of Petroleum)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**Robust regularized regression using a modified ADMM** - N. Luiken (King Abdullah University Of Science And Technology)	11:10	**Imaging pre-Messinian targets in the Eastern Mediterranean Sea - A case study using FWI** - M. Bell (PGS)	11:10	**Advanced petrophysical modeling of the Bazhenov formation: from core to seismic. Scalable approach** - A. Kolomytsev
11:30	**Separation and shot interpolation of simultaneous-source data with interpolated MSSA (I-MSSA)** - R. Lin (University of Alberta)	11:30	**Correcting Fault Shadows – A Case Study Comparison of Fault-Constrained Tomography and Time-lag Full-Waveform Inversion** - P. Deng (CGG)	11:30	**Small diameter natural gamma well logging tool based on position sensitive detector** - Z. Li (Lanzhou University)
11:50	**Sufficient data extension and sub-L1 norm regularization in 3D inversion-based deblending** - J. Sun (TGS)	11:50	**Calibrate geophysical velocity model to well data integrating a geological concept in the Tano Basin** - D. Rendon (Emerson)	11:50	**A Diffusion Effect Correction Method for Evaluating Water Saturation in Pulsed Neutron Capture Logging** - Q. Fang (China University Of Petroleum(East China))
12:10	**Seismic Deblending Using Inversion-based Deep Neural Network** - W. Wang (RIPED-northwest, Petrochina)	12:10	**Acoustic FWI of wide-angle 2D OBS: Japan Trench case study** - U. Kakhkhorov (Norwegian University of Science and Technology)	12:10	**A Monopole Wavefield Separation Method using Radon Transform** - X. Sun (China National Logging Company)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 2 - Advancing Subsurface Low Carbon Solutions** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Least Square Migration 1 R. Baina (Opera -Applied Geophysical Research Group), P.R. Williamson (TotalEnergies)		**Imaging Case Studies** C. Hidalgo (ChromaSeis/AkerBP), R.G.K. Johnston (BP Exploration Operating Co. Ltd)		**Diagenesis and Reservoir Quality in Clastics** C.J. Lowrey (Spirit Energy)	
15:15	**Image-domain angle/azimuth-dependent least-squares reverse-time migration through point spread functions** - J. Bai (Emerson)	15:15	**Seismic data reimaging for hydrocarbon prospectivity evaluation and determination of carbon storage potential** - M. Matta (Schlumberger)	15:15	**Effect of bioturbation on the Lagoon Reservoirs** - F. Li (Petrochina RIPED)
15:35	**Analytical Point Spread Functions for Image Domain Least-squares Kirchhoff Inversion** - H. Lund (Shearwater GeoServices)	15:35	**Revealing Complex Faulted Reservoirs with Advanced Imaging in Gullfaks fields, Northern North Sea** - B. Du (Equinor)	15:35	**Reservoir properties of an Upper Carboniferous tight gas sandstone reservoir analogue, Ruhr basin, NW Germany** - J. Greve (Karlsruhe Institute of Technology)
15:55	**A deep learning inverse Hessian for least-squares migration** - A. Kumar (DUG Technology)	15:55	**Introducing Deep Neural Networks for Ultra-Fast Track Processing: A new early-out product for QC and interpretation** - G. Gigou (CGG)	15:55	**Diagenesis and controls on reservoir quality of Lower Triassic sandstones (Buntsandstein) from a marginal basin facies** - D. Quandt (Karlsruhe Institute of Technology)
16:15	**Frequency domain Least-squares reverse time migration using low-rank Green's function for high memory efficiency** - S. Kim (Korea Maritime and Ocean University)	16:15	**Advanced depth imaging technologies: A case study in the Carpathians Foothills** - A. Meffre (CGG)	16:15	**Workflow for diagenesis modeling: application to a real case** - A. Da Pra (Eni S.p.A.)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
				Digital Rock Physics	
16:55	**Wavefield-reconstructed least-squares reverse time migration based on variable penalty factor** - Y. Ding (China University of Petroleum (East China))	16:55	**Depth imaging in North Kuwait: Challenges and solutions** - T. Rebert (CGG)	16:55	**Real-time imaging of the pore structure changes in permafrost induced by thawing** - E. Vosoughi (Institut National de la Recherche Scientifique)
17:15	**Q-compensated least-squares reverse time migration with velocity-anisotropy correction based on the first-order velocity-pressure equations** - J. Zhu (China Univeisity Of Petroleum(East China))	17:15	**Imaging below the complex Mauritanian Continental Shelf for reservoir evaluation** - F. Barracano (CGG)	17:15	**CT Data-driven, cost-effective, solutions for petrophysical properties prediction on heterogeneous unconsolidated reservoirs** - P.R. Fernandez Diaz (Repsol)
17:35	**Viscoacoustic Least-Squares Reverse Time Migration Method and Application for Steering Geological Targets with Steep Dip Angles** - B. Ma (China University of Petroleum (East China))	17:35	**Application of Multi-information Constrained Tomographic Static Correction in Indonesia Transition Zone** - H. Du (BGP, CNPC)	17:35	**Grain Size, Textural Properties and Reservoir Properties from cost/time-effective Computer Vision tools in X-Ray images** - N. Castillo (Repsol)
		17:55	**A Minimalist Approach for Improved Time Imaging of a Noisy Vibroseis Data: A Case Study** - S.P. Das (ONGC)	17:55	**Permeability and porosity upscaling method using Machine Learning and Digital Rock Physics** - M.S. Jouini (Khalifa University)

Technical Programme

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ROOM D		ROOM E		ROOM F	
Reservoir Characterization: Case Studies P. Samier (TotalEnergies)		**Progress in Subsurface Engineering (Joint EAGE/SPE)** P. Van den Hoek (Delft University of Technology), E. Ranaee (Politecnico di Milano)		**Time-Lapse Interpretation and Value** M. Lüthje (Technical University of Denmark)	
09:30	**Improving deterministic elastic inversion results with local data conditioning on seismic angle stacks** - P. Blanvillain (TotalEnergies)	09:30	**Viscosity From Geochemical Techniques: A Case Study for a Heavy Oil Field on the UKCS** - J. Moore (APT)	09:30	**4D history for field lifetime on Grane – from streamer acquisition to permanent reservoir monitoring** - T.N. Helgheim (Equinor)
09:50	**Seismic inversion - key in characterizing and modeling of turbidite sandstones of a Deep Offshore Oilfield** - C. Pinheiro (Repsol Sinopec)	09:50	**Stimulation of Conventional Geothermal Wells With Propped Fractures** - J. Shaoul (Fenix Consulting Delft)	09:50	**4D broadband: Added values and lessons learnt – Integrated study in a depleted field in Angola** - P. Trinh (TotalEnergies)
10:10	**Pre-stack geostatistical inversion constrained by self-facies controlled low frequency model and application in offshore middle-deep reservoirs** - Z. Wang (National Engineering Research Center of Offshore Oil and Gas Exploration; CNOOC Research Institute Co., Ltd.)	10:10	**Integrated Field Development Modelling to Improve Recovery from a Complex Fractured Carbonate Reservoir with Potential for** - C. Cranfield (Baker Hughes)	10:10	**4D & 3D Broadband Seismic Value Chain From Acquisition to Sedimentological Model Update & Well Placement** - K. Chikh (TotalEnergies)
10:30	**Forward Stratigraphic Modelling: using an integrated approach to improve carbonate reservoir characterisation and modelling** - S. Courgeon (Ad Terra Energy)	10:30	**In situ simultaneous Sor and wettability estimates from SWCT tests accounting for temperature gradients and pH** - T. Pedersen (Norsk Nano)	10:30	**Time-lapse seismic inversion for predicting reservoir parameters based on dual-network** - D. Li (China University of Mining and Technology (Beijing))
10:50	**Coffee break**	10:50	**Coffee break**	10:50	**Coffee break**
11:10	**The Value of a Sedimentological Framework in the Modelling of A, H, M fields, NC115, Libya** - M.F. Leon Carrera (Repsol Exploration and Production)	11:10	**Implementation of ICD and AICD technology in Rosneft Oilfields** - S. Ayushinov	11:10	**4D signal modeling in carbonates for time-lapse potential evaluation. Middle East Case history.** - D. Rappin (TotalEnergies)
11:30	**Integrated Reservoir study of a geothermal reservoir: Identifying uncertainties and Forecast optimization** - C. Nuñez Lema (Rock Flow Dynamics)	11:30	**Semi-analytical Pressure Solution for Complex Discrete Fracture Networks using Slab Source Function** - T. Lei (China University of Geosciences)	11:30	**Time-lapse full-waveform inversion for monitoring the fluid saturation** - A. Mardan (INRS-ETE)
11:50	**Reservoir prediction method based on fusion initial model** - W. Jia (China University Of Petroleum (East China))			11:50	**Classification of production changes via 4D-EEI response** - M.Y. Wong (Equinor ASA)
12:10	**Geophysical characterization of a carbonate platform reservoir based on outcrop analogue study (onshore, Lebanon)** - G. Abbani (Sorbonne Université; CNRS-Lebanon)				
12:30	**Coffee break**	12:30	**Coffee break**	12:30	**Coffee break**
12:45	**EAGE Forum Session 2 - Advancing Subsurface Low Carbon Solutions** - Room G				
13:45	**Lunch**	13:45	**Lunch**	13:45	**Lunch**
Relative Permeability and Capillary Pressure K.E. Ezhov (DeGolyer and MacNaughton), A.M. Kamp (TotalEnergies)		**Progress in Reservoir Characterization Methods** T.D. Blanchard (TotalEnergies), T. Whittle (CGG)		**Carbonates (Integrated Subsurface Studies)** P. Boonyasaknanon (PTT Exploration & Production Public Company Ltd.), A. Bounaim (Schlumberger)	
15:15	**Mathematical and physical modelling of the effect of relative permeability curves reversing behavior** - A. Galechyan	15:15	**Role of Digital Core Multi-Scale Analyses for Reservoir Characterization** - H. Sun (China Geological Survey)	15:15	**Fast assessment of the impact of multi-scale geological heterogeneities on flow behaviour in complex carbonate reservoirs** - S. Geiger (Heriot-Watt University)
15:35	**Relative Permeability of Supercritical CO2 and Carbonated Water in Carbonate Rock using Experimental and Simulation Methods** - T. Borges (CEPETRO / Unicamp)	15:35	**Reservoir characterization of mid-Cretaceous tar sandstones outcropping in northern Spain** - G.R. Valverde (UPM)	15:35	**Depth surfaces generation workflow (COHIBA) reconciliating multiple subsurface data for a stack of thin carbonate reservoirs** - G. Berthereau (North Oil Company)
15:55	**Compositional Pore-Network Modelling: Application to Gas-Condensate Flow in Geological Porous Media** - M. Carvalho (Pontifícia Universidade Católica Do Rio De Janeiro)	15:55	**Evaluation of glutenite reservoirs of intergranular - secondary dissolution pore type using a quantitative method** - J. Guo (PetroChina RIPED-Northwest)	15:55	**Gravity-assisted earth model building for advanced carbonate platform imaging in the Campeche Bay** - S. Ratti (Schlumberger)
16:15	**Mineral-Fluid Interface Properties: A Molecular Dynamic Study** - S. Ahmadigoltapeh (University Of Oslo)	16:15	**Carbonate karst cave recognition based on u-net segmentation** - C. Han (CNOOC Research Institute Ltd.)	16:15	**Seismic and petrographic characterisation of the Zechstein Hauptdolomit around the Dutch Elbow Spit High** - S. Peeters (TNO)
16:35	**Coffee break**	16:35	**Coffee break**	16:35	**Coffee break**
16:55	**Prediction of interface shape and capillary pressure in an idealized pore structure: effect of grain size** - A. Davarpanah (Aberystwyth University)	16:55	**Deterministic and stochastic modeling to predict petrophysics properties of an Albian carbonate reservoir in Southeast Brazil** - A.A. Gonzalez Carrasquilla (North Fluminense State University Darcy Ribeiro)	16:55	**Controlling factors on a Berriasian-Barremian Isolated Carbonate Platform in central Porcupine basin, SW Ireland** - R. Loma-Villacorta (Repsol)
17:15	**Deviation of Single-phase Flow in Porous Media from Darcy Law due to Reverse Osmosis** - D. Dorhjie	17:15	**Characterization and modelling of Ordovician fluvial-deltaic system - Application on oilfields in North Africa** - M.F. Leon Carrera (Repsol Exploration and Production)	17:15	**Seismic Carbonate Reservoir Characterization in Cenomanian-Turonian boundary, North Algeria** - F. Chegrouche (ENAGEO)
17:35	**Effects of Wettability on Relative Permeability of Immiscible flow in Rough-walled Fractures** - S. Hatami (Monash University)	17:35	**Calibration and prediction improvement of decline curve models while accounting for model error** - M.H. Rammay (University of Stavanger)	17:35	**Features and potential of the Ordovician fracture-cavity carbonate reservoirs in the northern Tarim Basin, China** - C. Ning (RIPED Petrochina)
17:55	**Experimental Investigation of Produced Gas Re-injection in a Tight Danish North Sea Oil Reservoir** - R. Mokhtari (DHRTC - DTU)	17:55	**New Method and Application of Listed Reserves Estimation for BOHAI Oilfield** - H. Cal (CNOOC)	17:55	**Identification and Assessment of Carbonate Reservoirs in the Mixed Clastic-Carbonate Environment of Bekapai Field, Mahakam Delta** - R. Thabrani

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ROOM G		ROOM H		ROOM I	
Joint Reflection and Velocity Estimation and Multi-Parameter FWI B. Duquet (TotalEnergies), R. Soubaras (Lundin Energy Norway)		**Signal, Noise and Separating Wavefields** C. Birnie (King Abdullah University of Science and Technology)		**Data & Information Management** V. Aarre (Schlumberger), S.B. Fomel (University of Texas at Austin)	
09:30	**Towards a More Robust Joint Migration Inversion** - S. Abolhassani (Delft University of Technology)	09:30	**Robust post-stack and prestack signal-to-noise ratio estimation on land seismic data** - M. Protasov	09:30	**Centralized GIS digital platform for high efficiency maintenance, risk control and mitigation of operated assets.** - M. Torrado Escobar (Repsol)
09:50	**Joint migration inversion using two-way wave equation and wavefield separation** - Y. Sun (Aramco Research Center - Delft)	09:50	**Distributed fiber-optic sensing for local ground-roll estimation and attenuation** - P. Edme (ETHZ)	09:50	**Pioneering Subsurface Data Management Studio and Asset Retirement Obligation Retrenchment in Upstream South Sumatra Region, Indonesia** - A. Permana (Pertamina)
10:10	**Imaging by seismic inversion based on the adjoint state method** - Ø. Korsmo (PGS)	10:10	**Effect of stacking on multiplicative noise caused by small-scale scattering** - I. Silvestrov (Saudi Aramco, EXPEC Advanced Research Center)	10:10	**A Cloud-Native Standard-based Geoscientific Workflow Architecture for improving geomodelers' collaboration** - L. Untereiner (Geosiris Sas)
10:30	**Excitation approximation strategy for reflection traveltime inversion** - X. Zhang (Shandong Academy of Sciences; Sino-Ukrainian Ocean Acoustics Technology Innovation Center)	10:30	**Coherent noise suppression via a self-supervised deep learning scheme** - S. Liu (KAUST)	10:30	**Digital to better manage subsurface knowledge for increased performance in oil and gas and new energy** - C. Le Turdu (Schlumberger)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**Interferometric, target-enclosing waveform inversion: a comparison of approaches** - P. Zheglova (KAUST; Memorial University of Newfoundland)	11:10	**Stepping Towards Automated Multisensor Noise Attenuation Guided by Deep Learning** - B. Farmani (PGS)	11:10	**Deep-time Digital Earth programme of the International Union of Geological Sciences: connecting and harmonising deep-time data** - M. Stephenson (Stephenson Geoscience Consulting)
11:30	**High-resolution target reservoir inversion underlying a transversely isotropic elastic overburden** - Y. Li (King Abdullah University Of Science And Technology)	11:30	**Multicomponent de-ghosting using a hybrid operator in frequency and space** - R. Telling (Shearwater GeoServices)	11:30	**Prediction of Langmuir Isotherm Constants by Utilizing Machine Learning Methods in Coalbed Methane Reservoirs** - A. Izadpanahi (Persian Gulf University)
11:50	**FWI imaging with simultaneous anisotropy estimation** - J. McLeman (DUG Technology)	11:50	**Simultaneous dual sensor wavefield separation and seismic data compression using parabolic dictionary learning** - M.O. Faouzi Zizi (PGS; University of Oslo)	11:50	**Explainable Artificial Intelligence for O&G Machine Learning Solutions: An Application to Lithology Prediction** - M. Jacinto (Geowellex)
		12:10	**Joint designature of Tuned Pulse Source data with pressure diversity** - S. Ronen (Sercel)	12:10	**Machine Learning for Table Cell Classification** - C.H. Lun (CGG)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 2 - Advancing Subsurface Low Carbon Solutions** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Broadband FWI: Towards Low and High Frequencies X. Cheng (Schlumberger), A. Ratcliffe (CGG)		**Attenuation: Estimation, Compensation, and Imaging** C. Tang (TGS)		**ML in Geophysical Processing** S. Manral (Schlumberger), M. Ravasi (King Abdullah University of Science and Technology)	
15:15	**Nonlinear anisotropic diffusion filters for FWI: structure preserving smoothing and data low frequency enhancement** - L. Metivier (Univ. Grenoble Alpes)	15:15	**Attenuation and compensation RTM of anisotropic pure quasi P-wave based on nearly constant Q model** - S. Zhang (China University of Petroleum (East China))	15:15	**Low frequency extrapolation of pre-stack seismic data based on temporal convolutional network** - Z. Wang (China University Of Petroleum-Beijing)
15:35	**Full Waveform Inversion with low frequency reconstructed data** - R. Djebbi (PGS)	15:35	**Visco-elastic reverse time migration using decoupled fractional visco-elastic propagator** - Q. Zhao (State Key Laboratory of Shale Oil and Gas Enrichment Mechanisms and Effective Development; SinoPEC)	15:35	**Deep null space regularization for seismic inverse problems** - K. Torres Bautista (University of Alberta)
15:55	**Smoothing of dilated convolutions for full-waveform inversion** - R. Yang (China University Of Petroleum (East China))	15:55	**Effective Q-Compensation Imaging along Seismic Wave Propagation Path** - B. Zhang (Tongji University)	15:55	**Deep vs. Shallow Learning: A Benchmark Study in Low Magnitude Earthquake Detection** - A. Goel (University College London)
16:15	**Broadband integral full waveform inversion (BIFWI) on medical imaging** - H. Liu (Saudi Aramco)	16:15	**Prestack PS-wave data attenuation compensation based on l1-norm regularization** - W. Cheng (China University Of Petroleum (Beijing))	16:15	**Neural estimation of seismic local slopes** - B. Bahia (University of Alberta)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**High-resolution FWI imaging - an alternative to conventional processing** - T. Rayment (DUG Technology)	16:55	**Seismic attenuation compensation with spectral-shaping regularization** - W. Wang (China University of Petroleum (East China); Qingdao National Laboratory for Marine Science and Technology)	16:55	**Combining geophysical inversion with reinforcement learning** - P. Dell'Aversana (Eni SpA)
17:15	**Accelerated Exploration via FWI** - H.A. Debens (Woodside Energy Ltd)	17:15	**Poststack PS-wave data attenuation compensation based on the equivalent Q value** - W. Cheng (China University Of Petroleum (Beijing))	17:15	**Deep Perceptual Loss for Multi-physics Joint Inversion** - J. Chen (University Of Houston)
17:35	**Automated decision making for full-waveform inversion** - D. Halliday (Schlumberger)	17:35	**An attempt: simultaneous interval-Q estimation and compensation based on fusion networks** - J. Zhang (Southwest Jiaotong University)	17:35	**improving seismic resolution via the structure-dependent deep-learning method** - Y. Gao (China University of Petroleum-Beijing)
17:55	**AVO determination using acoustic FWI** - M. Warner (S-Cube London; Imperial College London)	17:55	**Extended centroid frequency shift method for near-surface Q estimation** - H. Li (King Fahd University of Petroleum & Minerals)		

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ROOM J		ROOM K		ROOM L	
High Resolution, Shallow Marine Seismic M. Berraki (Equinor), C.D.T. Walker (BGP Offshore)		**Experimental Rock Physics** I.L. Fabricius (Technical University of Denmark), N.H. Mondol (University of Oslo and NGI)		**Machine Learning & AI for Seismic Imaging & Interpretation** H.G. Borgos (Schlumberger)	
09:30	**Large-scale 3D high-resolution near-surface imaging over Nordkapp** - I. Espin (CGG)	09:30	**A Digital Rock Physics Approach for Computing Archie's Resistivity Exponents** - H. Al-Mukainah (KFUPM)	09:30	**Interpretation horizon adjustments using machine learning during iterative model updates: A case study from offshore Gabon** - D.F. Fernandez (Schlumberger)
09:50	**Regional 3D near-field hydrophone imaging: adding value to dense OBN acquisition from offshore Arabian gulf** - C. Tyagi (Schlumberger)	09:50	**Experimental investigation of the effect of stress cycling on seismicity evolution during fault reactivation process** - M. Naderloo (Delft University Of Technology)	09:50	**High-wavenumber extrapolation for band-limited FWI results using deep learning** - Y. Li (King Abdullah University Of Science And Technology)
10:10	**High-resolution processing of seismic data based on transfer learning** - J. Meng (China University Of Petroleum (Beijing))	10:10	**Acoustic Monitoring of Laboratory Induced Fault Reactivation** - A. Veltmeijer (Delft University Of Technology)	10:10	**Full-waveform inversion in optimization-friendly latent space created by a deep neural network** - HA. Kinoshita (Preferred Networks, Inc.)
10:30	**Mitigating impact of wave-height on ultra-high resolution seismic data processing** - K. Ramani (Schlumberger)	10:30	**Experiments and Theory for Stress Dependent Elastic and Transport Properties of Tight Gas Sandstones** - S. Al-Dughaimi (KFUPM)	10:30	**Increasing structural modelling efficiency using computational visual workflows** - F. McLean (Petroluem Experts)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**High-resolution seismic velocity inversion and imaging of the shallow-subsurface using a combined JMI/FWI workflow** - C. Chapeland (TUDelft)	11:10	**Pore volume compressibility in an unconventional reservoir rock** - I. Ojala (Lundin Energy)	11:10	**Unsupervised Learning for Automated Seismic-well Tie** - H. Di (Schlumberger)
11:30	**Ultra-High-Resolution marine seismic survey for wind farm site characterization in the German North Sea** - R. Brune (Fraunhofer IWES)	11:30	**Laboratory evaluation of the acoustic velocity stress- and strain sensitivity of the Draupne shale** - M. Soldal (NGI; University of Oslo)	11:30	**Rapid assisted horizon interpretation using multi-scale optimization** - D. Possee (Halliburton)
11:50	**Comparison and integration of active and passive 3D surface wave measures around the Scrovegni Chapel** - I. Barone (Università degli Studi di Padova)	11:50	**Stress-State Dependent Elastic Properties: Experimental Investigation** - A. Muqtadir (King Fahd University of Petroleum and Minerals)	11:50	**Use of AI for Fault Identification in the E & P Life Cycle** - M. Ackers (Spirit Energy)
12:10	**Comparison of straight and curved-ray surface wave tomography at near-surface scale: A 3D numerical example** - M. Karimpour (Politecnico Di Torino)	12:10	**Quantitative evaluation of fracture porosity in a carbonate reservoir using analytical method** - J. Sharifi (Ferdowsi University of Mashhad)	12:10	**AI Seismic Interpretation: Challenges, Solutions and Applications** - R. Williams (Geoteric)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 2 - Advancing Subsurface Low Carbon Solutions** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Borehole Seismic with Wireline and DAS P.N. Armstrong (Consultant), M. Berraki (EQUINOR)		**Rock Physics Modelling and Applications** M. Huuse (University of Manchester), J.P. Neep (Ikon Science Ltd)		**Non-Conventional Geophysical Methods and Remote Sensing**	
15:15	**Subsurface velocity-model building using enhanced 3D seismic-while-drilling data** - M. Almarzoug (Saudi Aramco)	15:15	**Application of a rock physics template for rocks saturated with viscous fluid based on CPA model** - X. Han (China University of Petroleum (Beijing))	15:15	**A Novel Application of Remote Sensing in Oil Production Understanding** - B. Deriaz (Ad Terra Energy)
15:35	**Complex structures characetrized by a zero-offset VSP: a fractured reservoir case in Tarim Basin, China** - J. Zong (University of Electronic Science and Technology of China)	15:35	**Modelling wave propagation in layered cracked porous medium saturated with two immiscible viscous fluids** - M. Xu (China University of Petroleum (East China))	15:35	**Lithological control on vegetation dynamics over Western Ghat zone in Upper Bhima Sub-basin** - D. Londhe (Visvesvaraya National Institute Of Technology)
15:55	**Upgoing and downgoing wave separation in Vertical Seismic Profiling data based on deep learning** - B. Tao (Chengdu University of Technology)	15:55	**Investigating the effects of reservoir properties and diagenetic features on carbonates velocity variations: A case study** - M.H. Khosravi (University of Tehran)	15:55	**Transfer Learning based Classification method of magnetic targets with multiple 2D images** - X. Shi (Tsinghua University)
16:15	**Evaluation of sparsity-promoting migration to single-well and dual-well VSP datasets** - A. Aldawood (Saudi Aramco)	16:15	**Combined burial and rock physics modelling to determine complex velocity and AVO depth trends offshore Canada** - P. Avseth (Dig Science)	16:15	**Taking the seismic temperature of a glacier: Mount Meager, British Columbia** - R. Ferguson (University of Calgary)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**On the choice of deployment and processing parameters for Distributed Acoustic Sensing seismic survey results optimization** - C. Jestin (FEBUS Optics)	16:55	**Rock physics modeling of geomechanical and saturation effect caused by CO2 injection** - J. Yu (Norwegian University of Science and Technology)	16:55	**HeliFalcon® Airborne Gravity Gradiometry and Helitem® Airborne Electromagnetics for Geothermal Exploration, Musadake-Teshikaga, Japan.** - A. Mantilla-Pimiento (Xcalibur Multiphysics)
17:15	**Walkaway DAS-VSP data for monitoring reservoir production dynamic changes** - G. Yu (BGP Inc. CNPC; Optical Science and Technology Ltd.)	17:15	**Rock physics modeling and Seismic Interpretation for an Organic-Rich Mud-rock Reservoir** - A. AlAbbad (Saudi Aramco)	17:15	**The use of stacked radio waves as a qualitative proxy for geothermal potential across England** - G. Stove (Adrok)
17:35	**Optimizing of a DAS VSP image for 4D assessment at the Culzean field** - H. Moore (CGG)	17:35	**Shear wave velocity prediction of glutenite reservoir based on pore structure classification and multiple regression** - T. Qiu (PetroChina RIPED-Northwest)	17:35	**Results of reconnaissance survey of the local area on the seismic profile TESZ-2021** - A. Javadova (MicroPro GmbH)
17:55	**De-risking 4D Seismic in an HPHT field via 4D DAS VSP Monitoring at Culzean** - A. Merry (TotalEnergies)	17:55	**The Effects of Rock Physics Guided Features on Shear Velocity Prediction by Machine Learning** - P. Chen (BGP, CNPC)	17:55	**Analysis and Application of RS and GIS Technology in Site Selection for Helicopter Take-off and Landing** - Q. Zhang (BGP, CNPC)

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ROOM M		ROOM N		ROOM O	
Stratigraphy and Depositional Systems M. Huuse (University of Manchester), F. Pallottini (CEPSA E.P. S.A.)		**Natural Gas Storage & CO2 and Waste Storage** M. Eckard (Wintershall Dea AG), A. Izadpanahi (Persian gulf university)		**Seismic Reservoir Characterization** S. Maultzsch (Equinor ASA), G. Michaud (Cognite, GMC)	
09:30	**Application of geochemical logging while drilling (GLWD) survey on exploratory well drilled in Outer Carpathians.** - J. Hejnar (Wellfield Geoscience; Polish Academy of Sciences)	09:30	**Capillary water blockage during hydrogen withdrawal from subsurface storage sites** - P.Ø. Andersen (University of Stavanger)	09:30	**Impact of the imaging velocity on 4D QI and seismic history matching** - M. Hatab (Heriot-Watt University)
09:50	**Depositional environments distribution and their reservoir potential across the Thermaikos Basin in Northern Greece** - G. Makrodimitras (Hellenic Hydrocarbon Resources Management S.A.)	09:50	**A review of some aspects of the molecular hydrogen transport behaviour in the subsurface** - A. Martín Monge (Repsol Exploración SA)	09:50	**Calibrating Forward Stratigraphic Modeling to Seismic Impedance** - W. AlKawai (Saudi Aramco)
10:10	**Tackling Sub-seismic Reservoir Characterization Challenges Using Forward Stratigraphic Modelling: The Case of the Tuxen Formation** - S. Bou Daher (Beicip-Franlab)	10:10	**Underground Hydrogen Storage in the Baltic Countries: Future Outlook for Latvia and Estonia** - K. Shogenov (Tallinn University of Technology)	10:10	**Integrated approach leveraging machine learning and Bayesian methods to capture subsurface structure and reservoir property uncertainty** - K. Havelia (Schlumberger)
10:30	**Palynofacies Analysis: A Tool for Stratigraphic and Environmental Interpretation. An Example from the North Slope Alaska.** - J. Bonelli (Exploration)	10:30	**Santa Lucía Basin (Uruguay) potential for fluid storage and CO2 sequestration projects** - P. Rodríguez (ANCAP)	10:30	**Deep-Learning Solutions for Seismic Reservoir Characterization: Where do we stand?** - C. Agut (TotalEnergies)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**High-Resolution Stratigraphic Framework - Sokor Alternances, Agadem Basin, Niger** - T. Rojas (Savannah Energy)	11:10	**Evaluating CO2 storage potential in an under-explored basin: Stord Basin, northern North Sea** - S. Evans (University of Oslo)	11:10	**An integrated workflow for seismic inversion, reservoir characterization and geomodel update in a complex carbonate environment** - U. Micksch (TotalEnergies)
11:30	**Triassic stratigraphic challenges in the Norwegian Central North Sea** - S. Helleren (University Of Stavanger)	11:30	**Affordable ultra-high-density seismic surveys for CCUS** - A. Ourabah (STRYDE)	11:30	**Using Sim2seis modelling and stochastic inversion for reservoir model building – case study from Gråsel Field** - H. Amini (AkerBP)
11:50	**Tectonostratigraphic Evolution of the Barents Sea Shelf: Lessons from the Appalachian Basin** - G. Martins (University Of Kentucky)	11:50	**Passive seismic methods as support for the interpretation of legacy seismic profiles: CO2 storage** - B. Benjumea (IGME (CSIC))	11:50	**Pockmarks and gas pockets distribution on salt tectonics environment in SW of Gulf of Mexico** - J. Reveron (Repsol)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 2 - Advancing Subsurface Low Carbon Solutions** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Outcrops as Analogues C. van der Land (University of Newcastle)		**CCS and Utilization 1** W. Athmer (Schlumberger)		**Unconventionals** P.B. Ding (China University of Petroleum (Beijing)), C. Turich (Schlumberger)	
15:15	**Bringing the High Arctic South – a Virtual Trip to the Billefjorden Rift Basin, Svalbard** - T. Birchall (University Centre in Svalbard)	15:15	**Molecular simulation study on the microscopic mechanism of CO2 stripping crude oil in nano scale** - J. Bai (Research Institute Of Oil/Gas Technology, Petrochina Changqing Oilfield Company)	15:15	**Fine research on Petrophysical modeling method of Complex mineral shale- a case study of Junggar Basin** - Y. Dai (BGP, CNPC)
15:35	**3D digital outcrop model-based fracture network analysis of reservoir outcrop analogue, Upper Jubaila Formation, Saudi Arabia.** - Y. Panara (King Abdullah University Of Science And Technology)	15:35	**An integrated approach to characterize fluid-rock interactions during CO2 injection** - N. Andrianov (Geological Survey Of Denmark And Greenland)	15:35	**Flow Through Investigation of Microcrack Filling Sulfate-Based Precipitates in Hydraulically Fractured Shales** - A. Gundogar (Stanford University; SLAC National Accelerator Laboratory)
15:55	**Interactive virtual outcrops as teaching tools: two examples of outcrop structures associated with thrusts.** - R. Rocca (Independent)	15:55	**Distributed Fiber Optic Strain Sensing for Geomechanical Monitoring: Wellbore and Caprock Integrity Monitoring and Injection-profile Measurement** - R. Amer (Geological Carbon Dioxide Storage Technology Research Association; Research Institute Of Innovative Technology For The Earth)	15:55	**Investigation of the Fluid Composition Effects on Measured Confined Pdew of Gas-condensate Fluids in Unconventional Reservoirs** - H. Doryani (Heriot-Watt University)
16:15	**Geological Outcrops 3D Model Creation for Conceptual Simulation and Outcrop Visualization in the Virtual Reality Environment** - K. Petrova	16:15	**Enhancing CO2 Cross-well Saturation Mapping Via Ensemble Tree Machine Learning Framework** - S. Abu Alsaud (Saudi Aramco)	16:15	**Investigation on the Conductive Mechanism of Low-resistivity Gas Hydrate Reservoirs in Muli Area, Northwest China** - H. Dong (Chang'an University)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Elastic Properties of Coquinas from Morro do Chaves Fm. – A Brazilian pre-salt analog.** - M. Ceia (State University of Northern Rio de Janeiro; INCT-Geofísica do Petróleo)	16:55	**Time-lapse borehole seismic data reveal CO2 plume re-mobilisation by a new injection** - B. Gurevich (Curtin University)	16:55	**Accurate estimation of hydrate saturation based on dielectric responses of hydrate-bearing sediments** - S. Liu (China University Of Petroleum (East China))
17:15	**Secondary porosity control on tight carbonates from Salitre Formation(Neoproteroic):Case study for prediction in Pre-Salt laminites(BarraVelha Formation)** - P.H. Silvany Sales (Petrobras)	17:15	**CO2 injection detection using light time-lapse seismic monitoring** - V. Brun (SpotLight)	17:15	**Saturation modelling in gas hydrate core experiment using deep learning** - S. Kim (Korea Institute of Geoscience and Mineral Resources)
17:35	**Fracture network characterization of a naturally fractured tight gas reservoir analogue** - F. Allgaier (Karlsruhe Institute of Technology)	17:35	**Monitoring CO2 Injection into Basaltic Reservoir Formations at the Hellisheiði Geothermal Site in Iceland: Laboratory Experiments.** - M. Janssen (Delft University Of Technology)	17:35	**Investigation of Produced Gas Reinjection Process to Enhance Oil Recovery of Foamy Oil Reservoirs** - Z. Yang (Petrochina RIPED)
17:55	**Integrate Analysis of Petroelastic, Texture, and Pore System Controlling Coquinas Rock Strength: A Brazilian Pre-Salt Analog** - R. Missagia (State University of Northern Rio de Janeiro; Scientific Computing Suporting Foundation; INCT-Geofísica do Petróleo)	17:55	**Screening for CCS and Oil & Gas Prospects: Similarities, Differences, Integration of Seal & PVT** - M. Neumaier. (ArianeLogix)		

Technical Programme

Wednesday 8 June | Oral presentations

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ROOM P		ROOM Q	
Petroleum Systems of Mediterranean Sea (Dedicated Session) J. Biteau (EAGE), A.O. Wenke (Equinor ASA)		**Capture, Utilisation and Storage of Fluids in the Subsurface (SPE)** H.R. Rafael Eduardo (OMV Exploration & Production GmbH), T. Clemens (OMV E&P)	
09:30	**Hydrocarbon Exploration and Historical Sequence of Play concepts of the Aquitaine Basin (France)** - J. Biteau (retired from TotalEnergies)	09:30	**A Semi-Analytical Model for the Prediction of CO2 Injectivity into Saline Aquifers or Depleted Hydrocarbon Reservoirs** - T. Whittle (CGG)
09:50	**Along-strike Variation of Inversion-related Folds in Foreland Thrust Belts: Implications for Tectonic Style and Petroleum Prospectivity** - P. Pace (PACE Geoscience; 'G. D'Annunzio' University of Chieti-Pescara)	09:50	**A Brief Summary of Seventy Years of Well Test Analysis** - A. Gringarten (Imperial College London)
10:10	**Hydrocarbon plays in Western Greece: an overview** - S. Sotiropoulos (Hellenic Petroleum Exploration and Production of Hydrocarbons S.A)	10:10	**Temperature Specifications for CCUS Completions Equipment: Steady-State and Transient Thermal Simulations** - A. Vasper (Schlumberger)
10:30	**3D Temperature modelling around the Messinian Salt structures of Offshore Cilicia Basin, NE Mediterranean Sea** - A. Uyanik (Turkish Petroleum Corporation)	10:30	**Miscibility Study of Flue Gases for a Coupled CCUS-EOR Project** - A. Gonzalez-Perez (CEPSA)
10:50	**Coffee break**	10:50	**Coffee break**
11:10	**Upper Triassic to lower Jurassic Plattenkalk series, south Peloponnesus and Crete island, could represent source rocks** - A. Zelilidis (University of Patras)	11:10	**A Practical Approach to Maximise UGS Storage Efficiency in Order to Secure Energy Supply** - A. Kshirsagar (Baker Hughes)
11:30	**Regional developments and advancements in Arabian Plate Stratigraphy – Application to Permian-Cretaceous Petroleum Systems** - C. Gravestock (Halliburton)	11:30	**IAST Modelling of Competitive Adsorption, Diffusion and Thermodynamics for CO2-ECBM Displacement** - M. Asif (Nazarbayev University)
11:50	**Sensitivity Analysis in Basin Modeling: A Case Study From the East Beni Suef Basin, Egypt** - A.Y. Tawfik (Potsdam University; Suez University)	11:50	**Dynamic Behavior of Salt Dissolution and Its Effect on Imbibition in Inter-salt Oil Reservoir Due to** - X. Liu (China University of Petroleum Beijing)
12:10	**Unlocking the Cretaceous exploration potential of the Agadem Basin, Niger** - R. Bastante (Savannah Energy Plc)		
12:30	**Coffee break**	12:30	**Coffee break**
12:45	**EAGE Forum Session 2 - Advancing Subsurface Low Carbon Solutions** - Room G		
13:45	**Lunch**	13:45	**Lunch**
15:15	**The "dark" art of conditioning. Which recipe is the right one?** - G. Bejarano Gerke (Cegal)	15:15	**Thermodynamic Model Evaluations for Hydrogen Pipeline Transportation** - A. Cely (Equinor ASA)
15:35	**Comprehensive approach for seismic interpretation: a stratigraphic framework unlocking geomodeling perspectives** - N. Daynac (Ellis)	15:35	**Density Changes at Supercritical and Near-critical Conditions by Increasing Co2Content in Synthetic Hydrocarbon Mixtures - A** - P. Aslanidis (University of Stavanger)
15:55	**Sharing Trained Machine Learning Models will Redefine our Modus Operandi** - H. Jaglan. (dGB)	15:55	**Limitations of Commercial Software in Estimating Trapped Gas Saturation and Hysteresis in Relative Permeability** - S. Aghabozorgi (Heriot-Watt University)
16:15	**Evolution of Seismic-Driven Subsurface Characterization: A Transition to New Domains and Ways of Working** - G. de Ribet (Emerson)	16:15	**Early- and Late-time Prediction of Counter-current Spontaneous Imbibition and Estimation of the Capillary Diffusion Coefficient** - P.Ø. Andersen (University of Stavanger)
16:35	**Coffee break**	16:35	**Coffee break**
16:55	**Machine Learning for Interactive Seismic Interpretation** - S. Manral (Schlumberger)	16:55	**Improved Initialization of Non-linear Solvers in Numerical Simulation of Flow in Porous Media with a Deep** - J. Abbasi (University of Stavanger)
17:15	**Interactive Deep Learning on Seismic Data: The Future for Detailed Subsurface Characterization** - A. van Welden (Bluware)		
17:35	**Presentation by L. Mosser (Earth Sciences Analytics)**		
17:55	**AI Seismic Interpretation: understanding the Earth to deliver on Net Zero** - R. Williams (GeoTeric)		

Wednesday 8 June | e-Poster presentations

Last updated 2 May 2022

POSTERS 1		POSTERS 2		POSTERS 3	
Poster: Seismic Modelling 1				**Poster: Chemical EOR and Conformance: Polymers** W.J. Al-Mudhafar (The University of Texas at Austin), H.R. Rafael Eduardo (OMV Exploration & Production GmbH)	
09:30	**Using Bremmer series for modelling elastic reflection responses in 1.5D media** - M. Davydenko (Wavekoda)			09:30	**Autonomously Controlling the Conformance of Fluids Injection in Carbonate Reservoirs** - M. Moradi (Tendeka)
09:50	**Klein-Gordon equation and variable density effects on acoustic wave propagation in Brazilian pre-salt fields** - S.L. Da Silva (GISIS, Universidade Federal Fluminense)			09:50	**Mature oil filed polymer flooding: Design and Implementation in Pannonian Basin** - N. Kuzmanovic
10:10	**Seismic wave simulation using a fractional spatial derivative equation: Fourier transform implementation with spatial correction function** - Q. Xu (Imperial College London)			10:10	**Microfluidic Pore-scale and Conformance Control Analysis of Polymer Flooding: Effects of Thief Zones** - A. Abedini (Interface Fluidics Ltd)
10:30	**Efficiency of old and new triangular finite elements for wavefield modelling in time** - W. Mulder (Shell Global Solutions International BV; Delft University of Technology)			10:30	**EOR de-risking with SWCTT prior commercial projects at West Siberian matured oil fields** - M. Bondar
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
		Poster: AI, Deep Learning and Data Analytics M. Jaya (Petroliam Nasional Berhad (PETRONAS))			
11:10	**Compact hybrid-grid finite-difference scheme for wave propagation** - Q. Zhao (State Key Laboratory of Shale Oil and Gas Enrichment Mechanisms and Effective Development; SinoPEC))	11:10	**Real-time seismic operations planning, management and reporting for onshore and offshore based marine personnel** - R. Andrews (IonGeo)	11:10	**Application of Water Control Diagnostic Plots in Clastic and Volcanic Reservoirs in Mature Field in Serbia** - L. Malencic
11:30	**An improved TTI RTM by combining optimal pure P-wave and anti-dispersion strategy** - S. Xu (Chang'an University, Xi'an)	11:30	**Surface Wave Suppressing and Decomposition Using Deep Neural Networks** - K. Hou (China University Of Mining & Technology, Beijing)		
11:50	**A simplified pure visco-acoustic wave equation in 3D TTI media and its numerical simulation** - S. Xu (Chang'an University)	11:50	**Derivation of fractures and dissolved pore structures from well logging conductivity image using image segmentation method** - G. Long (China University of Petroleum (Beijing))		
12:10	**The perturbation-based relative geometrical spreading in the elastic VTI medium** - S. Xu (Kyoto University)	12:10	**Multitasking Physics-Informed Neural Network for Drillstring Washout Detection** - A. Jan (Schlumberger)		
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 2 - Advancing Subsurface Low Carbon Solutions** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Poster: Multiple Removal and Imaging Methodologies, Statics and Converted Waves G. Apeland (Schlumberger), M.C. Cvetkovic (TGS)		**Posters: ePoster Session 1 (SPE)** D. Arnold (Heriot-Watt University), I.Y. Akkutlu (Texas A&M University), B. Stewart (Independent)		**Poster: Enhanced Oil Recovery and Measurement of Saturation**	
15:15	**Multiple Attenuation using 3D High Precision Radon transform algorithm based on Deflecting Ellipse Model** - J. Ma (China University Of Petroleum, Beijing)	15:15	**Study on Blockage and Fluid Diversion Behaviors of Polymer Microspheres** - D. Wu (China University of Petroleum (East China))	15:15	**The Effect of Microporosity and Wettability on Initial and Residual Oil Saturations of a Bimodal Carbonate** - J. Gao (Saudi Aramco)
15:35	**A Butterworth Multiple Filtering Method Based on Gaussian Functions in the Radon Domain** - L. Feng (China University of Petroleum-Beijing)	15:35	**Experimental and Modeling Study of the Effects of CO2 Injection on Gas/Condensate Recovery and CO2 Storage** - W. Wang (China University of Petroleum, Beijing)	15:35	**A novel method for evaluating oil saturation by element spectrum logging in complex lithology formation** - Q. Liang (China University of Petroleum (East China))
15:55	**A Marchenko Multiple Elimination solution based on the Beyond Neumann method** - R. Santos (SENAI CIMATEC; UFBA)	15:55	**Simulation Evaluation of CO2-ECBM Potential in Karaganda Coal Basin in Kazakhstan** - G. Serikov (Nazarbayev University)	15:55	**Micro-scale Numerical Study of Water Flood in an Oil-Wet Carbonate Rock** - S.H. Talebian (Amirkabir University of Technology)
16:15	**Automatic velocity analysis of seismic data containing multiples based on RGB space mapping** - J. Zhang (Jilin University)	16:15	**Drilling Control System Automation to Control Axial Velocity Optimises Tripping and Drilling Performance** - R. Bacon (Sekal As)	16:15	**Evaluation of Viscosity Reducers for Heavy Crude Oil Viscosity Reduction and Displacement** - S. Chen (Aramco Asia)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Pre-stack joint inversion method based on reflectivity method** - R. Zhang (China University Of Petroleum (Beijing); China Oilfield Services Limited)	16:55	**Key Innovation Technologies and Practice Effect of Polymer Flooding Field Application** - Y. Zhu (RIPED, CNPC)	16:55	**Lab-scale EOR Evaluation for Heavy Oil Carbonates** - J. Wang (Saudi Aramco)
17:15	**Elastic Reflection Waveform Inversion with a Nonlinear Born Scattering Operator** - G. Wang (China Railway Design Corporation)				
17:35	**A data-driven residual static correction method based on the early arrival waveform in XYOA domainb** - X. Ren (CNPC)				
17:55	**Residual moveout in angle gathers for converted waves** - S. Zhang (Sun Yat-sen University; Southern Marine Science and Engineering Guangdong Laboratory)				

Technical Programme

Thursday 9 June | Oral presentations

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ROOM A		ROOM B		ROOM C	
Interferometry – Marchenko P. Hugonnet (CGG)		**Azimuth-Rich Data – Processing and Imaging** J. Brittan (PGS), G. Fookes (Geoprovider Seismic UK)		**Petrophysics** H.A. Al-Saedi (Missouri University of Science and Technology), V. Chandra (King Abdullah University Of Science And Technology)	
09:30	**Transform-domain multidimensional deconvolution – sparsity v/s low-rank** - R. Kumar (Schlumberger)	09:30	**Technology and Application of Full Azimuth Angle Domain Migration** - S. Zang (RIPED-Northwest, CNPC)	09:30	**Integration and upscaling of multi-phase fluid flow properties in clastic reservoirs** - G. Burmester (OMV Exploration & Production GmbH)
09:50	**Ultrasonic experiments for retrieval of layer-specific reflections inside fluid mud from ports with seismic interferometry** - D. Draganov (Delft University of Technology)	09:50	**The value of dual-azimuth acquisition: imaging, inversion and development over the Dugong area** - T. Latter (CGG)	09:50	**Pyrite as an Electrical Conductor in Chalk** - I.L. Fabricius (Technical University of Denmark)
10:10	**Marchenko redatuming and imaging by multidimensional deconvolution (MDD)** - D.F. Barrera (SENAI CIMATEC; INCT-GP)	10:10	**Study on the influence of different azimuth acquisition on reservoir characterization by 3D seismic physical modeling** - L. Han (Petrochina RIPED Northwest)	10:10	**A New Method for Calculating Rock Resistivity of Saturated Formation Water by Permeability** - W. Zhao (Tongji University)
		10:30	**HTI Medium Azimuthal Anisotropy Correction Technology and Application of Wide Azimuth Seismic Data** - H.H. Zeng (RIPED Northwest, Petrochina)	10:30	**Gumai Low Resistivity Reservoir Identification using Weighted Scoring Method in West Benakat, South Sumatra Basin, Indonesia** - A. Permana (Pertamina Hulu Rokan)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
		11:10	**Maximising exploration value by merging different vintage 3D seismic projects - Case study from Pannonian Basin** - I. Zanic (Ina)	11:10	**A Novel Method for Numerically Calculating Seismic Attenuation and Modulus Dispersion in Partially Fluid Saturated Rock** - W. He (China University of Petroleum; CNOOC, Ltd. Hainan Branch)
		11:30	**Application of 5D Interpolation and Regularization - A Case Study from Western China** - H. Meng (RIPED - Northwest, PetroChina)	11:30	**Thin bedded Levee Sedimentary and Petrophysical Characterization (Polok Discovery, Salinas Basin, offshore Mexico)** - P.H. Vieira De Luca (Repsol)
		11:50	**Research on 3D Irregular Data Reconstruction Method Based on Self-adaptive Threshold** - X. Yinpo (BGP, CNPC)	11:50	**An Improved Method to Predict the Porosity of Tight Sandstone Using Low Field NMR Data** - J. Liu (PetroChina RIPED-Northwest)
		12:10	**Seismic data reconstruction combining Shearlet and FK transform** - H. Yan (BGP OFFSHORE, CNPC; China University of Petroleum (Beijing))	12:10	**Numerical Study of Surface Roughness Influence on NMR T2 Response** - Y. Li (King Abdullah University of Science and Technology)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 3 - Why Minerals Matter for the Geoscience Community** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Time-Lapse Seismic E. Morgan (SpotLight), P. Harris (Sharp Reflections Ltd)		**Advances in Interpolation and Regularisation** F. Gamar-Sadat (CGG)		**Regional Structural Geology** M. Azizzadeh (Research Institute of Petroleum Industry (RIPI)), M.E. Etchebes (Schlumberger)	
15:15	**Monitoring CO2 plumes with mini streamers, is there potential?** - R. Dehghan-Niri (Equinor Energy AS, RDI)	15:15	**An approximation of the mutual coherence for compressive sensing problems** - A. Guitton (TotalEnergies)	15:15	**Neogene structural evolution along southern Gulf of México (Campeche sub-basin)** - C. Giraldo (U3 Explore)
15:35	**Cross-well tomography using DAS and ERT for monitoring changes due to hot-water injection in geothermal wells** - E. Obando (Deltares)	15:35	**Sparsity-promoting seismic reconstruction with combined sparsifying transform** - X. Li (Broad Geophysical Technology. Inc)	15:35	**MARIBNO amphibious project: role of the inherited tectonics in the structure of the northwestern Iberian margin** - M.Á. De la Fuente-Oliver (Complutense University of Madrid)
15:55	**Effects of source mispositioning on repeatability for onshore DAS VSP data** - R. Isaenkov (Curtin University)	15:55	**A benchmark study of deep learning methods for seismic interpolation** - M. Fernandez (Fraunhofer ITWM; Ecole Normale Supérieure de Paris)	15:55	**A novel classification system and database for faults and tectonic features in the Netherlands** - J. Ten Veen (TNO-Geological Survey of the Netherlands)
16:15	**Water Column Corrections, Joint Water Velocity Inversion for 4D Marine Surveys** - D. Lecerf (PGS)	16:15	**Interpolation of Missing Shots via Plug and Play Method with CSGs Trained Deep Denoiser** - W. Xu (Xi'an Jiaotong University)	16:15	**Rus Soft-sediment Detachment and its Contribution to the Dating of the Zagros Collision; Eastern Saudi Arabia** - M. Osman (King Fahd University of Petroleum & Minerals)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Optimised frequency-weighted deghosting of time-lapse (4D) surveys to improve low-frequency match** - G. Apeland (Schlumberger)	16:55	**Reconstruction of Missing Seismic Data using Coarse Refine network with Upsampling and F-K Loss** - H. Park (Seoul National University)	16:55	**Topographic and tectonic influence on depositional setting of Upper Jurassic sediments in a salt-controlled rift basin** - S. Nelskamp (TNO)
17:15	**Measurement, interpretation and value of pre-stack time-shifts in a North Sea dataset** - S. Izadian (Heriot-Watt University)	17:15	**Seismic Data Interpolation Using Attention-based Deep learning** - J. Park (Hanyang University)	17:15	**Kinematic interaction between salt structures: reassessing the evolution of the Corrib gas field, offshore NW Ireland** - C. O'Sullivan (Petroleum Experts Limited; University College Dublin)
17:35	**Angle-variant 4D seismic time-shift analysis for velocity change and subsurface strain estimation** - K. Taweesintananon (Norwegian University of Science and Technology; PTT Exploration and Production Public Company Limited)	17:35	**Sparse seismic data reconstruction based on error iterative training with multi-network** - Y. Jiang (Sinopec Geophysical Research Institute)	17:35	**Importance of evaporitic successions in geothermal energy and near field exploration in the Norwegian North Sea** - D. Marín (University of Stavanger)
		17:55	**An Improved OVT Domain Data Regularization Processing Technology and its Application** - H.H. Zeng (RIPED - Northwest, PetroChina)	17:55	**Role of two stages of strike-slip faulting in the tectonics evolution of Doseo Depression in CARS** - X. Zhang (Petrochina RIPED)

Thursday 9 June | Oral presentations

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ROOM D		ROOM E		ROOM F	
Advances in Reservoir Characterization M.F. Leon Carrera (Repsol Exploration and Production)		**Low Salt EOR and Geochemical Aspects of Reservoir** H. Karimaie (Kwame Nkrumah University of Science and Technology)		**Geopressure and Naturally Fractured Reservoirs** A. Edwards (Ikon Science Ltd), D.H. Haq (Saudi Aramco)	
09:30	**A permeability estimation method for tight sandstone formation based on blind source separation and NMR data** - J. Liu (PetroChina RIPED-Northwest)	09:30	**Time-lapse Pore-Scale Assessment of Layer-to-layer Spontaneous Imbibition** - J. Alaamri (King Abdullah Unversity of Science and Technology)	09:30	**Geo-Pressure prediction in and below chalk; stochastic permeability variations in 3D simulations, Central Graben North Sea** - A.E. Lothe (SINTEF Industry)
09:50	**Hydrocarbon seismic detection method based on a new hydrocarbon indicator extracted by 'amplitude fitting'** - L. Wang (CNOOC Ltd Tianjin Branch)	09:50	**Investigation of SmartWater to Reduce Surfactant Adsorption on Carbonates** - A. Wang (Aramco Asia)	09:50	**Pore Pressure Prediction and Coupling of Tight Oil Charging Dynamic and Resistance under Overpressure Condition** - Z. Han (China University of Petroleum (East China))
10:10	**The application of wavelet transform based on TK energy in reservoir description** - D.J. Hou (CNOOC)	10:10	**Investigation of the chemical effects of long term water flooding on reservoir rocks** - D. Mihrin (Technical University of Denmark)	10:10	**An Approach for Mapping Overpressure and Dynamically Balanced Drilling Mud Weight through a Case Study** - Y. Yang (Saudi Aramco)
10:30	**A Novel Phase Decomposition Method for Improved Reservoir Characterization of Thin Layers** - Q. Li (China University Of Petroleum (Beijing))	10:30	**Experimental Investigation of Waterflooding Performance by Increasing Copper Ions in Brazilian Pre-salt Rock** - R. Valladares de Almeida (Repsol Sinopec Brasil)	10:30	**Evaluation of geopressure at an offshore gas condensate field, Nam Con Son basin, Vietnam** - P.H. Giao (Vietnam Petroleum Institute; PetroVietnam University)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
Geothermal M. Brignoli (Eni S.p.A. E&P), J.M. Segura (Repsol)					
11:10	**Simulation of wave propagation in a thermoelastic media adopting the staggered-grid and L-S theory** - S. Yang (China University Of Petroleum (East China))	11:10	**The Necessity of Choosing the Right Injection Scenario; How Can This Affect Low Salinity Waterflooding Results?** - R. Mokhtari (DHRTC - DTU)	11:10	**Modeling Lost-Circulation in Fractured Media Using Physics-based Machine Learning** - R. Albattat (King Abdullah University of Science and Technology)
11:30	**Novel workflows using multiple realizations in fracture characterization for permeability in geothermal reservoirs** - R. Davies (Schlumberger)	11:30	**Investigating the Inhibition of Formation Damage during Low Salinity Water Injection; using QCM Technique** - E. Rostaminikoo (Sharif University of Technology)	11:30	**DFN modeling and fault juxtaposition analysis in the Bolivia Southern Sub-Andean Zone, Boicobo-X1ST discovery** - C. Moore (Repsol Exploration)
11:50	**Sensitivity study of geothermal site Soultz-sous-Forets, faults and fractures influence on production temperature** - G. Akhmetova (LEMTA; Georessources)	11:50	**A novel solution to improve the performance of low-salinity waterflooding in terms of salt dispersion** - A. Darvish Sarvestani (University of Tehran)	11:50	**Fracture modeling in high uncertainty environment of subsalt carbonate reservoir in Precaspian depression** - V. Gabrielyants (Schlumberger Logelco Inc.)
12:10	**Geothermal potential of Madrid Basin from integrated geophysical and well data analysis (central Spain)** - M.A. Berriolópez Llamosas (Universidad Complutense)			12:10	**Computing Structural Difference between GeoChron Models** - A. Tertois (Emerson)
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 3 - Why Minerals Matter for the Geoscience Community** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
Dynamic Simulation: From Core to Reservoir T. Schaaf (STORENGY / ENGIE), H. Salimi (PanTerra Geoconsultants B.V.)		**Enhanced Oil Recovery (Joint EAGE/SPE)** M. Brignoli (Eni S.p.A. E&P), A. Rolf (CEPSA E.P. S.A.)		**Geomodelling - Static Modelling 2** P. Thore (TotalEnergies)	
15:15	**Closing the calibration loop for multi scenario of fault throw on a condensate gas field** - P. Berthet (TotalEnergies)	15:15	**Research on development strategy for reservoir with condensate gas cap developed by gas and water co-injection** - N. Li (RIPED Petrochina)	15:15	**Sediment fluxes corrections by reconstructed regional mass balanced grain size trends** - N.A. Michael (Saudi Aramco)
15:35	**A reactive transport framework for analyzing core flooding data** - H.M. Ciriaco (Technical University of Denmark)	15:35	**Recent Observation of Nanoparticles Mechanism Through Relative Permeability Measurement and Dynamic Adsorption** - L. Hendraningrat (PETRONAS)	15:35	**Subsurface tetrahedral mesh generation without a sealed surface model** - M. Irakarama (Independent research)
15:55	**The Interplay between Microbial Reservoir Souring and Barite Precipitation During Waterflooding Oil and Gas Reservoirs** - A. Mahmoodi (Danish Hydrocarbon Research And Technology Centre)	15:55	**Application of Nanoparticles in Foam Flooding for Enhanced Oil Recovery and Foam Stability in Carbonate Reservoirs** - A. Bello	15:55	**Identifying Upside Potential Using Static Models And Seismic Forward Modelling** - M. Beller (Wintershall Noordzee BV)
16:15	**A new model aggregation method for forecasting medium-term reservoir production** - E. Fortaleza (University of Brasília)	16:15	**Visualization of oil displacement by oil-water emulsion injection in porous media micromodel** - M. Carvalho (Pontificia Universidade Católica Do Rio De Janeiro)	16:15	**Integrated static model of Bazhenov formation at Palyanovskiy technological test site: geology, geomechanics, geochemistry, basin modelling** - A. Ugryumov
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Efficient dimensionality reduction and localized sensitivity analysis for 4D seismic history matching parameterization** - R. Amiri Kolajoobi (Heriot-Watt University)	16:55	**Investigation and Simulation of SWAG Injections Performed in Mixed-wet Carbonate Rocks** - S. Aghabozorgi (Heriot-Watt University)	16:55	**Impact of overbank deposits on dynamic connectivity in a high-sinuosity and low net-to-gross fluvial system** - R. Palomino (Repsol Exploración S.A.)
17:15	**Time-lapse Electromagnetic History Matching in a Fractured Carbonate Reservoir** - Y. Zhang (King Abdullah University of Science and Technology)	17:15	**Carbonated Smart Water Injection (CSWI) for Enhanced Oil Recovery in Sandstone Reservoirs of Upper Assam Basin,** - R. Vadhan (Oil & Natural Gas Corp. Ltd)	17:15	**Integrated Seismic Reservoir Characterization for Appraisal and Field Development Planning** - J. Florez (BHP Petroleum)
17:35	**Improved AI-Based Surrogate Reservoir Modelling of Gas-condensate Reservoirs by Non-Physics-Based Regularization** - V. Molokwu (Heriot-Watt University)	17:35	**Cyclic LN2 Treatment of Coal Samples from Coal Basin in Kazakhstan** - S. Longinos (Nazarbayev University)	17:35	**New 3D Static Geomodel approach through integration of horizontal wells geosteering data of Cenomanian sandstones** - A. Kozlov (Schlumberger)
17:55	**Dynamic modelling of the regular wells patterns in low-permeable heterogeneous reservoirs** - A. Povalyaev				

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ROOM G		ROOM H		ROOM I	
Wavefield Reconstruction Inversion and Deep Learning Approaches W.E.A. Rietveld (BP Exploration Operating Co. Ltd), A.D. Bullock (Schlumberger)		**Signal Processing** G.B. Busanello (Schlumberger), A. Guitton (TotalEnergies)		**Methods and Applications of ML** T. Alkhalifah (KAUST), R. Ferguson (University of Calgary)	
09:30	**On the role of data-space Hessian in wavefield reconstruction inversion -** M. Sonbolestan (University of Tehran)	09:30	**Land near-surface pre-processing for RTM and LS-RTM -** A.M. Alfaraj (Delft University Of Technology)	09:30	**AI/ML approach to lithology quantification from rock chips analysis -** M. Pervukhina (CSIRO)
09:50	**Sketched waveform inversion (SWI): an efficient augmented Lagrangian based full-waveform inversion with randomized source sketching -** K. Aghazade (University of Tehran)	09:50	**An Analytical Approach to the Doppler Shift Correction for Exponential Sweeps -** S. Secker (TotalEnergies)	09:50	**Deep dive into automated seismic well tie, a pivotal step towards fully-automated seismic reservoir characterization -** A. Murineddu (Schlumberger)
10:10	**Improving block conjugate gradient method by randomized sketching for large-scale frequency-domain WRI -** A. Rezaei (University of Tehran)	10:10	**Automated, inversion-based fundamental and higher order harmonics separation -** M. Caporal (Aramco Overseas Company)	10:10	**Machine learning application for compressional wave velocity log prediction in Sleipner CO2 storage, offshore Norway -** K. Pratikna (University Of Oslo)
10:30	**Multiparameter wavefield reconstruction inversion in elastic media using augmented Lagrangian -** K. Aghazade (University of Tehran)	10:30	**A new look at autoregressive low frequency reconstruction of seismic data -** M. Bekara (PGS)	10:30	**Unlocking value from unstructured documents using machine learning: A geochemistry case study, US Gulf of Mexico -** M. Fry (CGG)
10:50	**Coffee break**	10:50	**Coffee break**	10:50	**Coffee break**
11:10	**Approximate data-domain Hessian in extended-source time-domain full waveform inversion using matching filter and conjugate gradient method -** G. Guo (University Cote d'Azur)	11:10	**Sparse Time-frequency Transform via Deep Learning and Transfer Learning: Part II-Transfer Learning and Field Data Application -** Y. Zhang (Xi'an Jiaotong University)	11:10	**A deep-learning-assisted analytical approach for normal moveout stretch correction -** M.M. Abedi (BCAM)
11:30	**Super-resolution full waveform inversion for CO2 storage monitoring -** D. Li (China University Of Mining And Technology (Beijing))	11:30	**Diffraction separation via deep learning trained with synthesized training dataset -** J. Yoo (ARAMCO Overseas Company)	11:30	**A Hybrid Machine Learning Model for Brittleness Evaluation -** F. Zhang (China University of Petroleum (East China))
11:50	**Deep learning based Full Waveform Inversion for automatic salt model building with no starting model -** A. Dhara (The University of Texas at Austin)	11:50	**Deep Learning Ensemble for Seismic First-Break Event Picking -** P. Bilsby (Schlumberger)	11:50	**Wettability Evaluation by Nuclear Magnetic Resonance Based on Deep Learning Approach -** Y. Wang (State Key Laboratory of Petroleum Resources and Prospecting)
12:10	**Decoupling method for scalar wave equation in inhomogeneous media -** J. Liu (China University Of Petroleum (East China))	12:10	**High-dimensional Constrained Fuzzy C-Means (HCFCM) Algorithms for Automatic First-Arrival Picking -** B. Feng (Tongji University)	12:10	**Search Space Partitioning, MCTS and Trust-Region Bayesian Optimization for Joint Optimization of Well Placement and Control -** A. Kumar (Visage Technology)
12:30	**Coffee break**	12:30	**Coffee break**	12:30	**Coffee break**
12:45	**EAGE Forum Session 3 - Why Minerals Matter for the Geoscience Community** - Room G				
13:45	**Lunch**	13:45	**Lunch**	13:45	**Lunch**
Advances in Velocity Model Estimation Approaches G. Lambaré (CGG), A. Asnaashari (PGS)		**Seismic Wave Modelling & Least Square Migration 2** Q. Guo (Shearwater Geoservices), A. Nangarla (TGS Nopec Geophysical)		**ML for Wells and Lithology**	
15:15	**Rugged topography near-surface velocity inversion using 3-D finite-frequency tomography -** B. Feng (Tongji University)	15:15	**Forward modeling of seismic-while-drilling data in anisotropic viscoelastic media with anisotropic attenuation -** N. Kazemi (University of Calgary)	15:15	**A machine-learning approach to correlating multiple wells -** M. Servais (Halliburton)
15:35	**First-arrival traveltime and slope tomography in tilted anisotropic media with undulant topography -** X. Zhou (Chinese Academy of Sciences; Université Côte d'Azur CNRS - IRD - OCA)	15:35	**Least-squares reverse time migration using the safe type-I Anderson acceleration -** C. Huang (China University Of Petroleum (East China))	15:35	**Developing a GAN-boosted MLP model for prediction of the drilling rate of penetration -** A.H. Rajabi Ghozloo (University Of Tehran)
15:55	**Effect of vertical arrays on near-surface velocity and statics uncertainty -** A. Egorov (Aramco Research Center)	15:55	**Wavefield simulation and reverse time migration in anisotropic media using qP-wave equations -** Y. Zhang (Johannes Gutenberg University Mainz)	15:55	**Nonstationary seismic-well tie using dynamic time warping -** S. Cai (Imperial College London)
16:15	**Emancipating FWI imaging from traveltime tomography in Valhall via optimal transport joint full waveform inversion -** G. Provenzano (Univ. Grenoble Alpes, ISTerre)	16:15	**A coherent-stacking-based least-squares migration scheme for imaging deep structures -** J. Yang (China University Of Petroleum (East China))	16:15	**A systematic machine learning approach to improve facies prediction using multiscale well log and image data -** G. Tallec (ThermoFisher Scientific)
16:35	**Coffee break**	16:35	**Coffee break**	16:35	**Coffee break**
16:55	**Efficient Eikonal based migration velocity analysis using subsurface offset common image point gathers -** W. Weibull (University of Stavanger)	16:55	**Enabling wave-based inversion on GPUs with randomized trace estimation -** F. Herrmann (Georgia Institute Of Technology)	16:55	**Chemostratigraphic Automations: Chemostratigraphic Data Analytics And Interpretations -** N.A. Michael (Saudi Aramco)
17:15	**Tomographic Hessian-based Inversion Velocity Analysis: a first evaluation -** C.A. Martins de Assis (MINES ParisTech - PSL Research University)	17:15	**Preconditioned linearized inversion with the inverse scattering imaging condition -** X. Li (Broad Geophysical Technology. Inc)	17:15	**Log Pattern Recognition using Siamese Neural Networks for Enhancing Well Correlation -** A. Kaul (Schlumberger)
17:35	**Depth Velocity Model Building on Blended Data via Beam Tomography -** A. Alali (Saudi Aramco)	17:35	**Interface Contrast Imaging for Omni-directional Full Wavefield Migration -** L. Hoogerbrugge (TU Delft)	17:35	**3D lithology prediction using electrical property models and machine learning -** N. Wei (Southern University Of Science And Technology)
				17:55	**Semiautomated Well Interpretation in Digital Augmented Learning Environment -** T. Kontsedal (Aker BP)

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ROOM J		ROOM K		ROOM L	
Microseismic Monitoring and Passive Seismics 2 D. Draganov (Delft University of Technology)		**Seismic Attributes for Lithology** V. Aarre (Schlumberger)		**New Developments in Seismic Reservoir Characterisation** S. Manral (Schlumberger), F.M. Miotti (Cognite)	
09:30	**Analysis of a Local Earthquake in the Arctic using a 120 km long Fibre-Optic Cable** - R.A. Rørstadbotnen (Norwegian University of Science and Techonolgy)	09:30	**Integration of 3D Seismic Fracture Attributes and Micro-seismic Monitoring for Reservoir Stimulation Optimization** - W. Liu (Chengdu University of Technology; BGP Inc. of CNPC; Optical Science and Technology Ltd.)	09:30	**Basic land seismic surface correction processing steps have artifacts that corrupt seismic reservoir characterization** - C. Stork (Land Seismic Noise Specialists)
09:50	**Seismicity Monitoring using Large-Aperture Optical Infrastructure Fibers** - M. Karrenbach (OptaSense)	09:50	**Methods for multi-horizon driven waveform classification** - J. Razza (Eliis)	09:50	**A new dual-porosity rock-physics model and Shuey's Poisson ratio for tight sandstone gas reservoir prediction** - H. Li (RIPED, CNPC)
10:10	**Water-depth estimation using propeller noise by Distributed Acoustic Sensing** - M. Buisman (Delft University of Technology)	10:10	**Establishment and analysis of Multi-scale and Multi-label 3D seismic facies reservoir/lithology characteristics** - X. Cui (China University of Petroleum)	10:10	**Gas prediction using ARD-based AVA inversion and substack strategy analysis** - Y. Ji (Sinopec Geophysical Research Insititute)
10:30	**Magnitude of induced seismicity in the Netherlands from surface stations** - N. Cao (Seismik S.r.o.)	10:30	**Channel Detection Based on RGB colour blending of Texture Attributes** - W. He (Chengdu University of Technology; Petrochina)		
10:50	**Coffee break**	10:50	**Coffee break**	10:50	**Coffee break**
				Geomodelling - Static Modelling 1 S.T. de Vries (EBN B.V.)	
11:10	**S-wave velocity model for monitoring induced seismicity in geothermal exploration.** - T.J. Moser (Moser Geophysical Services)	11:10	**Prediction of beach-bar sand reservoir based on machine learning** - P. An (BGP, CNPC)	11:10	**Wells Drilling Target Optimization with the Composite Risk Maps of Reservoir and Seal Characterization Study** - A. Widyanita (PETRONAS)
11:30	**Improved reconstruction and coherence analysis of a wave-field extracted from ambient seismic noise cross-correlations.** - T. Kremer GeoLinks service)	11:30	**Attribute-assisted identification of carbonate seismic facies in the Dangerous Grounds region, Deepwater Sabah, Malaysia.** - I. Babikir (Universiti Teknologi PETRONAS)	11:30	**How fast-track "proxy" model improves risk analysis and impacts project management** - G. Fabre (Ad Terra Energy)
11:50	**Automatic Microseismic Event Location Using Deep Neural Networks in Anisotropic Media** - Y. Yang (King Abdullah University of Science and Technology)	11:50	**Characteristics of An Upper Wilcox Submarine Channel Complex, Western Deepwater Gulf of Mexico.** - X. Wu (Repsol)	11:50	**Geothermal model of Gran Canaria; an integration of geological, geophysical and geochemical data** - J. Torres Torremocha (Repsol)
12:10	**PINNhypo: Hypocenter Localization Using Physics Informed Neural Networks** - I.E. Yildirim (King Abdullah University of Science and Technology)	12:10	**Application of multiple attribute pattern recognition to dolomite reservoir characterization in Sichuan Basin** - H. Zhang (Petrochina Hangzhou Research Institute of Geology)	12:10	**G&G data integration and geothermal potential implications in Tenerife (Canary Islands)** - A. Garcia Craviotto (Repsol)
12:30	**Coffee break**	12:30	**Coffee break**	12:30	**Coffee break**
12:45	**EAGE Forum Session 3 - Why Minerals Matter for the Geoscience Community** - Room G				
13:45	**Lunch**	13:45	**Lunch**	13:45	**Lunch**
Electrical and EM Methods A. Mantilla-Pimiento (XCalibur Multiphysics), A. Casas (University of Barcelona)		**Case Studies in Quantitative Interpretation** E. Zabihi Naeini (Earth Science Analytics)		**Seismic Attributes for Structure** L. Bornatici (Capricorn Energy Plc), Y. El Ouair (Saudi Aramco)	
15:15	**Hybrid Algorithm with Probability Density Function over 1D to 2D Electromagnetic** - K. Sarkar (IIT (ISM))	15:15	**Mature Paleocene South Viking Graben play derisked with Multi-Azimuth Seismic data, a Norwegian case study** - R. Ruiz (PGS UK)	15:15	**Multichannel spectral decomposition using matching pursuit steered by a Relative Geological Time model** - L. Evano (Eliis)
15:35	**Weighted diffraction velocity analysis of common-offset GPR data** - Y. Liu (University of Lausanne)	15:35	**Uncertainty analysis of Western Siberia field using seismic inversion and geological constraints** - A. Khitrenko	15:35	**Seismic phase components from the Time-Time Transform** - M. Matos (Sismo)
15:55	**Pseudo Inversion Method for Transient Multicomponent Electromagnetic Logging** - W. Kangkang (China University Of Petroleum (East China))	15:55	**Large-scale pre-stack seismic depth-domain inversion : a case study from the Northern Carnarvon Basin, offshore Australia** - A. Paxton (Schlumberger)	15:55	**Sparse Time-frequency Representation based on Self-supervised Learning** - Y. Lei (Xi'an Jiaotong University)
16:15	**Response Characteristics and Sensitivity Analysis of Ultra-deep Azimuth Electromagnetic LWD Tool** - W. Kangkang (China University Of Petroleum (East China))	16:15	**Seismic characterization and lithology identification of igneous reservoirs: A case study , Junggar Basin** - W. Gu (China University of Petroleum (East China); BGP,CNPC)	16:15	**Q-compensated multidimentional impedance inversion using seislet-domain shaping regularization** - C. Li (China University of Petroleum (Beijing))
16:35	**Coffee break**	16:35	**Coffee break**	16:35	**Coffee break**
16:55	**Airborne Micro-TEM and Deep Learning for Base of Sand Ultra-Resolution Mapping** - D. Colombo (Saudi Aramco)	16:55	**Fizz gas characterization through density inversion: A case study in deep-water Sabah** - T. Le Canu (CGG)	16:55	**Structure-Oriented Laplacian Pyramid algorithm based on 3D structure adaptive anisotropic Gaussian kernel** - X. Bo (China University of Petroleum(Beijing))
17:15	**Deep neural network-based airborne EM data inversion suitable for mountainous field sites** - M. Bang (Hanyang University)	17:15	**Data Driven Reservoir Properties Estimation Using MAZ Towed Multisensor Streamer Seismic: A Norwegian Case Study** - C. Reiser (PGS)	17:15	**Fine identification technology of fault based on structure guided** - T. Tian (Tianjin Branch Of Cnooc Ltd.)
17:35	**Appliance of radiomagnetotelluric sounding using UAV for geological exploration** - V. Ananev	17:35	**Case study: AVO inversion and processing of ultra-high resolution seismic for a windfarm application** - S. Hviid (Ørsted)	17:35	**Highlighting seismic faults with noise assisted-multivariate empirical mode decomposition based coherence** - Y. Lou (Powerchina Huadong Engineering Corporation Limited; Zhejiang Huadong Construction Engineering CO. LTD)
17:55	**Detection Performance and Anomaly Analysis for LFAC Resistivity Measurements in Moderate-high Resistance Formations** - Y. Wu (China University Of Petroleum (East China))	17:55	**Multi-component seismic characterization of obscure channel sands: A case study in an onshore oil field** - X. Zhang (PetroChina RIPED)		

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ROOM M		ROOM N		ROOM O	
PSA - Geochemistry and Basin Modeling T.A. Adedosu (Ladoke Akintola University of Technology), A. Martín Monge (Repsol Exploración, SA)		**CO2 and Waste Storage Subsurface Characterization** A.A. Eftekhari (Technical University of Denmark)		**Geophysics for Near-Surface Characterization and Mineral Exploration** E. Bloem (Norwegian Institute of Bioeconomy Research), A. Malehmir (Uppsala University)	
09:30	**Paleoenvironment implications and genesis of siderite in the Lower Cretaceous Nantun Formation, Hailar Basin, China -** M. Xie (Lanzhou University; RIPED Northwest, Petrochina)	09:30	**Rock physics analysis of Eos well caprock shale for the Northern Lights CCS project, offshore Norway -** N.H. Mondol (University of Oslo; NGI)	09:30	**Change Detection in Time Series -** L. Michou (CGG)
09:50	**Hydrocarbon accumulation periods of Sinian - Cambrian oils of well QT1 in Tarim Basin, China -** S. Wang (China University of Petroleum (East China))	09:50	**Integrated characterization of the faulted caprock shales of the Longyearbyen CO2 Lab -** P. Betlem (The University Centre in Svalbard; University of Oslo; Norwegian CCS Research Centre)	09:50	**Soil Dynamic Response For Seismic Microzonation Purposes: Rancagua-Machalí And Rengo Cities, Chile -** L. Piñero-Feliciangeli (Universidad de O'Higgins)
10:10	**Organo-geochemical analysis for evaluation of hydrocarbon source potential in K.G Basin, Eastern India -** D. Niyolia (IIT Bombay)	10:10	**Hydrocarbon columns trapped against active faults: analogues to fault integrity in CO2 containment studies -** C. Wibberley (TotalEnergies)	10:10	**Quick-clay site characterization through first-break tomography and surface-wave analysis, a study from southwest of Sweden -** M. Papadopoulou (Uppsala University)
10:30	**Insights into catalytic effects of clays on hydrocarbon compositions in source rocks at high-maturity stage -** M. He (Saudi Aramco)	10:30	**Integrated workflow for characterization of CO2 subsurface storage sites -** C. Reiser (PGS)	10:30	**Sketch-based geological modelling and flow diagnostics for geothermal and heat storage applications -** C. Jacquemyn (Imperial College London)
10:50	Coffee break	10:50	Coffee break	10:50	Coffee break
11:10	**Near wellbore petroleum systems modelling for identification of unconventional targets within the Lower Carboniferous of England -** M. Sims (Imperial College London)	11:10	**Integration of Drilling History and Borehole Images for improved Well Completion -** M. Habermueller (NiMBUC Geoscience)	11:10	**Self-potential survey at the Yuhuang hydrothermal field on the Southwest Indian Ridge -** Z. Su (China University of Petroleum (Beijing); Second Institute of Oceanography, MNR)
11:30	**Multivariate Geo-Chemo Statistical characterization of Potential Source Rocks in the Middle Benue Trough, Nigeria -** L. Adamu Musa (Kogi State University; Ibrahim Badamasi Babangida University,)	11:30	**Palynology and outcrop analogue studies for reducing uncertainty of reservoir heterogeneity in carbon capture and storage -** M. Stephenson (Stephenson Geoscience Consulting)	11:30	**Inversion of airborne data for three-dimensional conductivity, chargeability, and magnetic properties models in Wawa, Ontario, Canada. -** L. Cox (TechnoImaging LLC)
11:50	**Geochemistry reveals the reservoir compartmentalization between the Margarita/ Huacaya and Boicobo gas condensate accumulations, Bolivia -** A. Martín Monge (Repsol Exploración, SA)	11:50	**Clay Formation Evaluation using Wireline Logs and Core XRF data in bad hole -** S. Marnat (Ad Terra Energy)	11:50	**Full waveform inversion of electric conductivity with radio-frequency electromagnetic waves -** P. Zheglova (Memorial University of Newfoundland)
		12:10	**Fast Screening Assessments of the Impact of Sedimentological Heterogeneity on CO2 Migration and Storage -** G. Hampson (Imperial College London)		
12:30	Coffee break	12:30	Coffee break	12:30	Coffee break
12:45	**EAGE Forum Session 3 - Why Minerals Matter for the Geoscience Community** - Room G				
13:45	Lunch	13:45	Lunch	13:45	Lunch
PSA - Source Rocks and Seals M. Welch (DTU), M. Soua (Saudi Aramco)		**CCS and Utilization 2** H.A. Jutila (Jutila LTD), K. Shogenov (Tallinn University of Technology)		**Current Trends in Mineral Exploration Geophysics (Dedicated Session)** D. Draganov (Delft University of Technology), S. Hallinan (CGG)	
15:15	**The role of Methane Hydrate Thickness in Global Frontier Basin De-risking -** K. Rodriguez (Searcher)	15:15	**The Effect of Preferential Nucleation Sites on the Distribution of Secondary Mineral Precipitates -** M. Masoudi (University of Oslo)	15:15	**Non-Invasive Geophysical Techniques Applied to Mineral Exploration in Angola – PLANAGEO Project -** J. Carvalho (LNEG)
15:35	**Fault Seal Analysis of Reservoir Rocks in Niger Delta: A Case Study of 'Ab' Field -** C. Ukwu (University Of Port Harcourt; Northumbria University Newcastle upon Tyne)	15:35	**Learnings arising from Modelling of Single Well Tracer Tests to Characterise CO2 Injection -** M.M. Awag (Heriot-Watt University)	15:35	**Reflection Image beyond the Known Extent of the Prospective Zone Provided by 3D Virtual-Source Methodology -** M. Chamarczuk (Institute of Geophysics PAS)
15:55	**Prediction of fault rock permeability with Deep Learning: training data from transfer samples of fault cores -** J. Schmatz (MaP - Microstructure and Pores GmbH)	15:55	**Potential effect of Biot's coefficient on rock failure in CO2 storage site Smeaheia, northern North Sea -** M.J. Rahman (University Of Oslo)	15:55	**Targeting at Depth and under Cover with Non-Seismic Geophysical Methods -** C. Nind (Abitibi Geophysics)
16:15	**Potential alternative to Rock-Eval or wireline calculations of TOC? Case study from the Norwegian Continental Shelf -** J. Johnson (University of Oslo)	16:15	**Precipitation-induced Geometry Evolution during Reactive Transport: Experimental and Numerical Insights into Stochastic Dynamics of Mineral Growth -** M. Nooraiepour (University of Oslo)	16:15	**3-D Magnetotelluric Study across the World Class Kalgoorlie Gold Camp (Western Australia): Unrevealing the Mineral System -** M.P. Pina Varas (Universitat de Barcelona; The University of Western Australia)
16:35	Coffee break	16:35	Coffee break	16:35	Coffee break
16:55	**Facies variations of Upper Jurassic source rocks in the northern North Sea -** G. Skarstein (University Of Stavanger)	16:55	**Co-optimization of carbon dioxide storage in aquifers using genetic algorithms based on artificial neural network -** B. Sedaee (University of Tehran)	16:55	**Airborne Electromagnetics (AEM) – From Deep to Detail -** P. Gisselø< (SkyTEM Surveys ApS)
17:15	**Using Earth Systems paleoclimate predictions to de-risk a frontier margin for source rocks -** C. Willcox (Halliburton)	17:15	**Functional comparison of wellbore-reservoir coupling solutions for CO2 storage simulations -** O. Burachok (Wintershall Dea AG)	17:15	**Metal Endowment along Archean Greenstone Belts Reflection Seismic Imaging in Abitibi and Wabigoon Subprovince, Canada -** S. Cheraghi (Laurentian University)
17:35	**Experimental study of maturity trends for the oil shale formation based on pyrolysis data -** P. Maglevannaia	17:35	**Missing well-log prediction using LSTM in the Bunter Sandstone Formation of the UK Southern North Sea -** Z. Li (The University of Manchester)	17:35	**Passive Seismic Interferometry as a Tool for Seismic Imaging from Mine Galleries -** T. Hupe (Ruhr University of Bochum; DMT GmbH & Co. KG.)
17:55	**New Insights on Potential Petroleum Systems in the Middle Benue Trough of Nigeria -** N.G. Obaje (Ibrahim Badamasi Babangida University Lapai)	17:55	**Carbon Capture and Storage Plan for the Decarbonization of the Asturias Industrial Hub -** M. Bakhtbidar (Universitat de Barcelona; Geosciences Barcelona (GEO3BCN-CSIC))		

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ROOM P

HSE & Sustainability

09:30	**Uncertainties: A Necessary Reflection of our Understanding of the Subsurface – Embrace Them -** P. Neri (Resoptima)
09:50	**Real time monitoring of seismic survey works using unmanned aerial systems -** I. Kholmskii
10:10	**Direct Macroscopic and Microscopic Insight to the Ionic Liquid Demulsification Process at High-salinity and High-temperature conditions -** A. Esfandiarian (Petroleum University of Technology)
10:30	**Enhancing sustainability in reservoir management via a deep learning well connectivity determination framework -** K. Katterbauer (Saudi Aramco)
10:50	**Coffee break**
11:10	**Exploration cost optimization through value of information and digitalization of geological features. -** I. Paveleva
12:30	**Coffee break**
12:45	**EAGE Forum Session 3 - Why Minerals Matter for the Geoscience Community** - Room G
13:45	**Lunch**

Carbon Efficient Reservoir Management and Extraction of Heat 2 (SPE)

I.Y. Akkutlu (Texas A&M University), T. Whittle (CGG)

15:15	**Research Progress and Field Trail of a New Micro-Nano Oil-Displacement System Flooding Technology -** Z. Sun (CNOOC Research Institute Co., Ltd.)
15:35	**The Effect of Core Wettability on Oil Mobilization, Capillary Forces and Relative Permeability in Chalk -** I.D. Piñerez Torrijos (University of Stavanger)
15:55	**Decarbonizing Thermal Enhanced Oil Recovery Operations through Improvements in Saturated Steam Distribution System -** M. Fazari (Petroleum Development Oman LLC)
16:15	**Immiscible and Near-Miscible Gas Flooding in Tight Chalk: Laboratory Experiments and Compositional Simulation -** S. Mirazimi (Technical University of Denmark)
16:35	**Coffee break**
16:55	**Oil Recovery by Low-rate Waterflooding in Water-wet Sandstone Cores -** P. Aslanidis (University of Stavanger)
17:15	**A Universal Method for Predicting the Relative Permeability Data of Low Salinity Injection -** S. Aghabozorgi (Heriot Watt University)

ROOM Q

Machine Learning, AI, and Digitisation for More Efficient Operations 1 (SPE)

C. Coll (International Finance Corp.), T. Schaaf (Storengy SAS)

09:30	**Implementation of Streamline Derived Rate Targets Improved Oil Production of Mature Field -** S. Adamson (OMV E&P Gmbh)
09:50	**Should We Care About the Background Gas Effect on Reservoir Properties Prediction Using Machine Learning? -** F. Anifowose (Saudi Aramco)
10:10	**A Physics-based Data-driven Interwell Simulator for Waterflooding Optimization Considering Nonlinear Constraints -** M. Onur (University of Tulsa)
10:30	**Multi-parametric Optimization of Multilateral Wells for Optimum Reservoir Contact -** M. Ismael (Saudi Aramco)
10:50	**Coffee break**
11:10	**Machine Learning Based Prediction of Petrophysical Properties From Varg Field Reservoir Well Logs -** P.Ø. Andersen (University of Stavanger)
11:30	**An Integrated Model Combining Complex Fracture Networks and Time-varying Data Modeling Techniques for Production Performance Analysis -** C. Cao (China University of Petroleum (Beijing))
11:50	**Understanding the Controlling Factors for CO2 Sequestration in Depleted Shale Reservoirs Using Data Analytics and Machine -** H.K. Hassan Baabbad (Politecnico di Torino)
12:30	**Coffee break**
13:45	**Lunch**

Machine Learning, AI, and Digitisation for More Efficient Operations 2 (SPE)

T. Clemens (OMV E&P), H. Jutila (Jutila L.T.D.)

15:15	**Application of Bag-of-features Approach to Drilling Accidents Forecasting -** E. Gurina
15:55	**A Deep Learning Based Approach for Production Forecast and Reservoir Evaluation for Shale Gas Wells with -** P. Dong (China University of Petroleum (Beijing))
16:15	**Artificial Intelligence for Production Optimization in Schoonebeek Thermal EOR Field -** M. Arfie (NAM)
16:35	**Coffee break**

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Last updated 2 May 2022

POSTERS 1		POSTERS 2		POSTERS 3	
Poster: Seismic Modelling 2 & Least Square Migration Q. Guo (Shearwater Geoservices)		**Posters: ePoster Session 2 (SPE)** D. Arnold (Heriot-Watt University), I.Y. Akkutlu (Texas A&M University), B. Stewart (Independent)		**Poster: Seismic and Other Geophysical Acquisition and Processing** B.A. King (Equinor)	
09:30	**An efficient implementation of least-squares reverse time migration based on stable pseudo-acoustic TTI wave equation -** O.F. Mojica Ladino (SENAI CIMATEC; INCT-GP)	09:30	**Sustaining Wormholes Mechanical Stability in Weak Acidized Carbonates Using Consolidants -** M. Desouky (King Fahd University of Petroleum & Minerals)	09:30	**Near surface seismic modeling in complex piedmont area assisted by 3D electromagnetic data -** Z. Hu (BGP, CNPC)
09:50	**A Least-squares formulation to solve the single-sided Marchenko integral for the full wave field -** D.E. Revelo (SENAI CIMATEC, UFBA)	09:50	**Artificial Intelligence Approach for Predicting the Shale Brittleness Index - A Middle East Basin Case Study -** A. Mustafa (King Fahd University of Petroleum & Minerals)	09:50	**Applying magnetic methods to studies of soil erosion and landslides in Ukraine's urban areas -** O. Ivanik Taras Shevchenko National University of Kyiv)
10:10	**High-efficient elastic modelling with an adaptive variable-grid method -** L. Chen (China University Of Petroleum (East China))	10:10	**Using a CCS Simulator to Maintain Liquid CO2 in the Completion -** A. Petitt (Tendeka)	10:10	**Using convolution neural network method to detect borehole microseismic events -** L. Liu (China University of Petroleum (East China))
10:30	**Internal refraction cone for singularity points in symmetry planes of elastic orthorhombic media -** A. Stovas (Norwegian University of Science & Technology)	10:30	**Estimation of the Half-length of Non-simultaneous-closed Fracture Through Pressure Transient Analysis: Model and Case Study -** Z. Wang (China University of Petroleum (Beijing))	10:30	**Improve the Accuracy of Near-surface Traveltime Tomography Inversion Velocity via Nonuniform Sampling -** W. Wu (BGP Inc. CNPC)
10:50	**Coffee break**	10:50	**Coffee break**	10:50	**Coffee break**
11:10	**One-way wave-equation migration for wide-angle and for strong lateral velocity variation using the Jacobi-Anger expansion -** D.E. Revelo (UFBA; SENAI CIMATEC)	11:10	**Designing CO2-EOR in Indonesia by Matching Business Strategy: Study Case East Java Field, Indonesia -** Y. Panggabean (PT Pertamina EP Cepu)	11:10	**Passive acoustic monitoring during seismic operations in Brazil: addressing emerging challenges from strict regulations -** L. Viana (Toveri Gerenciamento de Projetos Integrados)
11:30	**An angle-domain investigation on resolutions embedded in imaging conditions for reverse time migration -** B. Han (China University of Geosciences)			11:30	**Comparing supervised learning methods for hydrophone-only and multi-component deghosting -** R. Baardman (Aramco Overseas Company)
11:50	**Physics-informed self-training learning for seismic imaging -** Y. Zhang (Xi'an Jiaotong University)			11:50	**Improving Vibrator's Low Frequency Energy by Reducing Hydraulic Fluctuation -** S. Junhe (CNPC BGP)
12:30	**Coffee break**	12:30	**Coffee break**	12:30	**Coffee break**
12:45	**EAGE Forum Session 3 - Why Minerals Matter for the Geoscience Community** - Room G				
13:45	**Lunch**	13:45	**Lunch**	13:45	**Lunch**