

<b>Title</b>	<b>Speaker</b>	<b>Affiliation</b>
Introduction. Recent changes in data acquisition	Malcolm Lansley	Consulting Geophysicist
Land nodal acquisition and why we need a new nimble node	Ted Manning	BP
METIS: Enabling Carpet 3D Land Seismic Surveys with Swarming UAVs	John Archer	SAExploration
Compressive Seismic Imaging: Changing the Mindset in Seismic Acquisition	Chengbo Li	ConocoPhillips
New design and acquisition solutions for old challenges	Nick Moldoveanu	Schlumberger
De-blending of continuous recording data towards a quantum leap in seismic imaging in the Western Desert of Egypt	Aly Said	CGG
The Challenges of Unconstrained, Broadband Land Acquisition: A Case History from the Western Desert of Egypt	Dennis Yanchak	Apache



**Malcolm Lansley**

**Consulting Geophysicist**

R. Malcolm Lansley received a BSc/ARCS in physics/mathematics/geophysics from Imperial College of Science and Technology in London in 1969. Ten years ago Malcolm joined Sercel as VP of Geophysics, where he advises on the geophysical usage of all Sercel equipment including survey design, data collection, data processing, and interpretability of the resultant data. Prior to joining Sercel he had worked for more than 35 years with Geophysical Service, Inc., Halliburton Geophysical Services, Western

Geophysical and PGS in all areas of the world, both onshore and offshore. Although he started working with 2D in 1969, his first involvement with 3D seismic exploration was in 1972, and since that time he has been concerned with all aspects of 2D and 3D seismic exploration from survey design, through data acquisition and data processing, to interpretation.

Mr. Lansley has authored more than 60 papers on seismic exploration, data processing and interpretation. His research interests include 3D technology (both land and marine), marine data acquisition, wavelet processing, multicomponent recording and vibrator theory and usage. He also teaches a variety of courses on vibrator theory and usage, 3D survey design, data acquisition and data processing for SEG. He is a member of SEG, EAGE, CSEG, ASEG, RMAG, SBGf and the Geophysical Society of Houston.



**Ted Manning**                      **BP**

Ted joined the industry in 1995 following a postgrad HDip in Computer Science (UCC), MSc in Geophysics (Durham University), and BSc in Geology (UCD). After leading seismic processing projects and a dedicated processing centre in BP Sunbury for WesternGeco, he joined BP in 2004 and led R&D projects on Multi-Azimuth marine acquisition and processing, Land seismic efficiency (ISS) blending and deblending, field trials for high density land and OBS acquisition, among other seismic delivery projects. From 2011 to 2016 he worked in Jakarta, where as a Seismic Delivery Manager for the Asia Pacific region he was responsible for the design, contracting, safe delivery (NEBOSH certified) and processing of seismic and survey operations. He currently leads a team of geophysical researchers both UK and US based, including projects like nimble land nodes, seismic sources and processing, including machine learning applications. He is a member of SEG, EAGE and PESGB.



**John Archer**                      **SAExploration**

John Archer recently joined SAExploration as their Vice President for Technology. Prior to this he was VP for Business Development and Technology at Geokinetics, where he co-invented the Symphony® technique. A geology graduate from Durham University in England, John has been working as a geophysicist for more than 30 years. He started with Western Geophysical as a seismic Data Processor in their London Center in 1987, before joining land seismic crews in Chad and Yemen. He joined Grant Geophysical, (which would later become Geokinetics), in 1990 working on transition zone operations in the Niger Delta, and has been involved with technical proposals, bidding, crew financial modeling and technology development ever since.



**Nick Moldoveanu**                      **Schlumberger**

Nick started his career with Schlumberger in 1989, and had varying assignments in data processing, software development, geophysical support for acquisition and processing, seismic survey design, and the development and commercialization of seismic acquisition and processing technologies. Currently, Nick is a global geophysical advisor. Before Schlumberger, Nick worked for Geological and Geophysical Oil Prospecting Company (IPGG), Bucharest, Romania, as field geophysicist, seismic interpreter, seismic technology analyst, data processing manager and technical director of the IPGG seismic computer center. Nick has a diploma in geophysics from the Romanian Oil, Gas, and Geology Institute, Faculty of Geology and Geophysics, and a diploma in mathematics from University of Bucharest. Nick has over 60 published technical papers, and many patents.



**Chengbo Li**                      **ConocoPhillips**

He joined ConocoPhillips in 2011 as a research geophysicist in the Technology and Subsurface Organization. His recent work focuses on geophysical applications of compressive sensing, including seismic data reconstruction, optimal survey design, and simultaneous source acquisition for both marine and land. Now he also leads the effort in developing machine learning solutions for seismic processing.

Li co-invented ConocoPhillips' proprietary technology--- Compressive Seismic Imaging (CSI). The technology received the SPIRIT of Performance Award in Innovation in 2016, the SPIRIT of Performance Award in Technology Champion in 2018, and the OTC Asia Spotlight on New Technology Award in 2018. His paper on CSI was selected to receive the award for Best Paper in The Leading Edge in 2017. He also received the SPIRIT of Performance Award in Outstanding Early Career Technologist in 2019.

Li is a member of the Society of Exploration Geophysicists and the Geophysical Society of Houston.

Li earned a Ph.D in Computational and Applied Mathematics from Rice University in 2011.



**Aly Said**                                      **CGG**

Aly Said is Geophysical Advisor at CGG specialized in seismic processing and imaging industry, where he integrates with R&D and processing members to conduct technical studies and tests in order to validate new technologies and methodologies definition which could be implemented, he also provide guidance for the execution of different projects and manage long term view to ensure results are achieved effectively.

His experience comes from different areas from Europe and Middle East regions, with a long record of successfully major imaging projects.

Recently he was part of the team of the integrated solution for Unconstrained Blended Acquisition & Processing ensures that the full value of high-density seismic investment is realized.



**Dennis Yanchak**

**Apache**

Dennis Yanchak is currently a Senior Geoscience Advisor for Apache Corporation based in Houston, TX. He has over 40 years of industry experience and is a member of the GSH (currently serving as president), SEG, and EAGE. His educational background includes an MS in physics from Carnegie-Mellon University as well as undergraduate degrees in physics and mathematics and an MBA in technology management.

Dennis began his career in the oil business in 1977 with Gulf R&D near Pittsburgh, PA, working on seismic imaging of complex structures. In 1985 he joined Amoco, working in their International Technology Group in Houston. Within Amoco and BP, he worked around the world in exploration, development, and production; both land and marine. His experiences cover domestic assignments in Denver working production in the overthrust and in Houston working in imaging R&D and Gulf of Mexico Deepwater exploration. Internationally, Dennis was Chief Geophysicist in Cairo, Egypt for Amoco/GUPCO and more recently Senior Advisor in TNK-BP based in Moscow, Russia.