



A GSH/SEG Web Symposium Agenda



| Title | Speaker | Affiliation |
|---|-----------------|-------------------------|
| 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 |

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Malcolm Lansley

Consulting Geophysicist

Introduction. Recent changes in data acquisition

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

35 years with Geophysical Service, Inc., Halliburton Geophysical Services, Western Geophysical and PGS in all areas of the world, both onshore and offshore.

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

Mr. Lansley 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.



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Ted Manning **BP**

Land nodal acquisition and why we need a new nimble node

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**

METIS: Enabling Carpet 3D Land Seismic Surveys with Swarming UAVs

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**

New design and acquisition solutions for old challenges

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.



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Chengbo Li

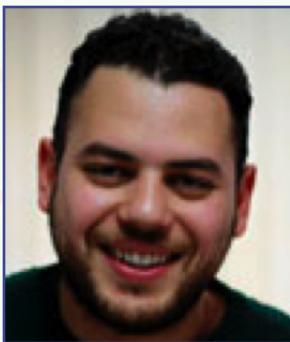
ConocoPhillips

Compressive Seismic Imaging: Changing the Mindset in Seismic Acquisition

He joined ConocoPhillips in 2011 as a research geophysicist in the Technology and Subsurface Organization after completing his Ph.D in Computational and Applied Mathematics from Rice University. 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.



Aly Said

CGG

De-blending of continuous recording data towards a quantum leap in seismic imaging in the Western Desert of Egypt

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. 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

The Challenges of Unconstrained, Broadband Land Acquisition: A Case History from the Western Desert of Egypt

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

and an MBA in technology management. Dennis began his career in the oil business in 1977 with Gulf R&D near Pittsburgh, PA. 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. His experiences cover assignments in Denver, Houston, Cairo and Moscow, Russia. □