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He has over 30 years of international experience in the oil and gas industry. His technical expertise includes: induced seismicity, seismic attributes inversion, AVO, reservoir characterization and monitoring, reserves evaluation, passive and 4D seismic, fractured reservoirs, unconventional fields and CO<sub>2</sub> sequestration. He was the president of Society of Exploration Geophysicists (2007-2008) and represented SEG at the Unconventional Resources Technology Advisory Committee (URTAC). He is Fellow of IEEE, a Member of Russian Academy of Natural Sciences, and Honorary member of Azerbaijan Oil Academy. He received Society of Exploration Geophysicists (SEG) Honorary Membership in 2018 and Society of Petroleum Engineers (SPE) Western North America Region Formation Evaluation Award in 2015

He previously worked in technical and management positions, including manager of geophysical technology at Unocal (now Chevron). He was also president and CEO of dGB-USA (dgbes.com) and member of technical staff at Bell Laboratories. He also consulted at several National Laboratories including Lawrence Berkeley (LBNL), Lawrence Livermore (LLNL), Los Alamos (LANL), Oak Ridge (ORNL) and National Energy (NETL.) He teaches graduate level courses on Intelligent and Collaborative Oilfield Systems Characterization & Management, and Advanced Oilfield Operations with Remote Visualization and Control. He holds 4 US patents, with another 6 pending. He has authored 14 books and over 350 publications spanning wide areas. He is also editor in chief of Journal of Petroleum Science and Engineering.