

James E. Gaiser

Geophysical Advisor

WesternGeco

Research and Development

Bachelors degree in Geology/Anthropology - Indiana University, and studied undergraduate courses in Geology and Geophysics at the Georg-August University in Gottingen, Germany, Masters in Geophysics from the University of Utah, Salt Lake City, Doctorate in Geophysics - University of Texas, Dallas.

Dr. Gaiser's career has included Exxon and ARCO where he worked in seismic exploration, data processing and research. He was a senior research geophysicist at ARCO from 1980 to 1992, where he concentrated on developing acquisition methodologies and software design for VSP and multicomponent surface seismic exploration.

He joined Western Geophysical Research in 1992 and was involved in the development of explicit finite-difference migration, coherent-noise attenuation and 3D converted-wave processing capabilities. Currently he is Geophysical Advisor in support of WesternGeco's converted-wave research and development worldwide, and his research activities continue to be in 3-D multicomponent, converted-wave seismology, with a focus on three-component vector fidelity and imaging in anisotropic media for fracture characterization.

From 1998 to the present he has been an instructor of the "Application and Interpretation of Converted Waves" course in the SEG Continuing Education Program. Dr. Gaiser has received the following awards: SEG Best Presentation Award in 1981 (co-author), Honorable Mention 1993 SEG presentation, and SEG Honorable Mention for Best Paper in The LEADING EDGE in 2003 (co-author)