

66 Prof. Yixian Xu



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Education

B.A. Petroleum Geology, China University of Geosciences, Wuhan, China, 2000

M.A. Petroleum Geology, China University of Geosciences, Wuhan, China, 2002

Ph.D. Petroleum Geology, China University of Geosciences, Wuhan, China, 2005

Work Experience

Lecturer, University of Science and Technology of China, 1996-1998

Associate Professor, University of Science and Technology of China, 1998-2004

Research Scholar, University of Kansas, 2004.10-2005.2, 2006.10-2006.12

Research fellow, University of Texas at Austin, 2005.3-2005.11

Professor, University of Science and Technology of China, 2016.9-present

Research Interests

Multi-scale image in the interior of the earth

Services&Awards

Associate editor of Journal of Engineering Geophysics, Editorial board member of Geophysical and Geochemical Exploration, Progress in Geophysics, Progress in Exploration Geophysics

Membership

The Chinese geophysical society, Geological society of China branch of exploration geophysics, Geological society of hubei province, The branch of exploration geophysics

Major Publications

Xu, Y., Xia, J., and Miller, R.D., 2009, Equivalence of cutoffs of higher modes of Rayleigh wave and its implication for semi-quantitative interpretation for the layered earth: Pure and Applied Geophysics. online

Xia, J., Miller, R.D., and Xu, Y., 2008, Data resolution matrix of high-frequency Rayleigh-wave phase velocities: Pure and Applied Geophysics, 165, 1227-1248.

Xu, Y., Xia, J., and Miller, R. D., 2007, Numerical investigation of implementation of air-earth boundary by acoustic-elastic boundary approach: Geophysics, 72(5), SM147-SM153.

Xia, J., Xu, Y., and Miller, R.D., 2007, Generating image of dispersive energy by frequency decomposition and slant stacking: Pure and Applied Geophysics, 164(5), 941-956.

Xia, J., Nyquist, J.E., Xu, Y., Roth, M.J.S., and Miller, R.D., 2007, Feasibility of detecting near-surface feature with Rayleigh-wave diffraction: Journal of Applied Geophysics, 62(3), 244-253.

- Xu, Y., Xia, J., and Miller, R.D., 2006, Quantitative estimation of minimum offset for multichannel surface-wave survey with actively exciting source: *Journal of Applied Geophysics*, 59(2), 117-125.
- Xu, Y., and Yue, R., 2006, Preliminary Understanding of Near-Field Effect of CSAMT in Electric Azimuthally Anisotropic Half-Space: *Journal of Environmental and Engineering Geophysics*, 11(2), 67-72.
- Xia, J., Xu, Y., Miller, R.D., and Chen, C., 2006, Estimation of elastic moduli in a compressible Gibson half-space by inverting Rayleigh wave phase velocity: *Surveys in Geophysics*, 27(1), 1-17.
- Xia, J., Xu, Y., and Miller, R.D., in press, Generating image of dispersive energy by frequency decomposition and slant stacking: *Pure and Applied Geophysics*.
- Xia, J., Nyquist, J.E., Xu, Y., Roth, M.J.S., and Miller, R.D., in press, Feasibility of detecting near-surface feature with Rayleigh-wave diffraction: *Journal of Applied Geophysics*.
- Xia, J., Xu, Y., Chen, C., Kaufmann, R.D., and Luo, Y., 2006, Simple equations guide high-frequency surface-wave investigation techniques: *Soil Dynamics and Earthquake Engineering*, 26(5), 395-403.