

Selected papers on surface wave techniques

(as of June 1, 2000)

1. Xia, J., Miller, R.D., and Park, C.B., 1999, Estimation of near-surface shear-wave velocity by inversion of Rayleigh wave: *Geophysics*, **64**, 691-700.
2. Park, C.B., Miller, R.D., and Xia, J., 1999, Multi-channel analysis of surface waves: *Geophysics*, **64**, 800-808.
3. Miller, R.D., Xia, J., Park, C.B., Ivanov, J., 1999, Multichannel analysis of surface waves to map bedrock: *The Leading Edge*, **18**, 1392-1396.
4. Xia, J., Miller, R.D., Park, C.B., Hunter, J.A., and Harris, J.B., 2000, Comparing shear-wave velocity profiles from MASW with borehole measurements in unconsolidated sediments, Fraser River Delta, B.C., Canada: September 2000 issue of *Journal of Environmental and Engineering Geophysics*.
5. Park, C.B., Miller, R.D., and Xia, J., 1998, Imaging dispersion curves of surface waves on multi-channel record: Technical Program with Biographies, SEG, 68th Annual Meeting, New Orleans, Louisiana, 1377-1380.
6. Xia, J., Miller, R.D., Park, C.B., Wightman, E. and Nigbor, R., 1999, A pitfall in shallow shear-wave refraction surveying: Technical Program with Biographies, SEG, 69th Annual Meeting, Houston, TX, 508-511.
7. Xia, J., Miller, R.D., Park, C.B., and Ivanov, J., 2000, Construction of 2-D vertical shear-wave velocity field by the multichannel analysis of surface wave technique: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2000), Arlington, Va., February 20-24, 2000, 1197-1206 .
8. Miller, R.D., Xia, J., Park, C.B., Shefchik W.T., and Moore, L., 1999, Seismic techniques to delineate dissolution features in the upper 1000 ft at a power plant site: Technical Program with Biographies, SEG, 69th Annual Meeting, Houston, TX, 492-495.
9. Xia, J. Miller, R.D., Park, C.B., in review, Advantage of calculating shear-wave velocity from surface waves with higher modes: submitted to the 70th SEG Annual Meeting, Calgary, Canada.
10. Xia, J., Miller, R.D., and Park, C.B., 1997, Estimation of shear wave velocity in a compressible Gibson half-space by inverting Rayleigh wave phase velocity: Technical Program with Biographies, SEG, 67th Annual Meeting, Dallas, TX, 1927-1930.
11. Park, C.B., Miller, R.D., and Xia, J., 1999, Detection of near-surface voids using surface wave: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 99), Oakland, CA, March 14-18, 281-286.
12. Park, C.B., Miller, R.D., and Xia, J., Hunter, J.A., and Harris, J. B., 1999, Higher mode observation by the MASW method: Technical Program with Biographies, SEG, 69th Annual Meeting, Houston, TX, 524-527.
13. Park, C.B., Miller, R.D., Xia, J., Ivanov, I., Hunter, J.A., Good, R.L., and Burns., R.A., Multichannel analysis of underwater surface waves: submitted to the 70th SEG Annual Meeting, Calgary, Canada.
14. Ivanov, J., Park, C.B., Miller, R.D., and Xia, J., 2000, Mapping Poisson's Ratio of unconsolidated materials from a joint analysis of surface-wave and refraction events: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2000), Arlington, Va., February 20-24, 2000, 11-20.

Additional papers are available on this topic. They are not included here because they did not exist at the time this open-file report was prepared.