

FULL LIST OF PUBLICATION (CATEGORIZED)

Dr. Choon Park

(As of February 2015)

Overview (MASW)

- Park, C.B.**, 2015, MASW analysis of bedrock velocities from refractions as higher modes: Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2015), Austin, Texas, March 22-26.
- Park, C.B.**, and Carnevale, M., 2010, Optimum MASW survey - revisit after a decade of use: Geo-Institute Ann. Mtng (GeoFlorida 2010), February 20-24, 2010, West Palm Beach, FL.
- Park, C.B.** and Ryden, N., 2007a, Historical overview of the surface-wave method: Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2007), Denver, April 1-5, Proceedings on CD Rom.
- Park, C.B.**, Miller, R.D., Xia, J., and Ivanov, J., 2007, Multichannel analysis of surface waves (MASW)—active and passive methods: *The Leading Edge (TLE)*, v. 26, no. 1, p. 60-64.
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- Park, C.B.**, 2005, Shear-wave velocity (Vs) profiling by surface wave (MASW) method: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2005), Atlanta, Georgia, April 3-7, 2005.
- Park, C.B.**, R.D. Miller, J. Xia, and J. Ivanov, 2004, MASW—An easy seismic method to map shear-velocity of the ground: Invited paper at the 2004 annual meeting of the Korean Society of Engineering Geology (KSEG), Kang Won National University, Chun Cheon, Korea, April 30-May 1, 2004.
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- Park, C.B.**, Miller, R.D., and Xia, J., and Ivanov, J., 2001, Characterization of geotechnical sites by Multichannel Analysis of Surface Waves (MASW) method: submitted to the Tenth International Conference on Soil Dynamics and Earthquake Engineering (SDEE) in Philadelphia in October 2001.
- Park, C.B.**, R.D. Miller, J. Xia, and J. Ivanov, 2000, Multichannel seismic surface-wave methods for geotechnical applications: Proceedings of the First International Conference on the Application of Geophysical Methodologies to Transportation Facilities and Infrastructure, St. Louis, December 11-15, 2000.
- Xia, J., R.D. Miller, and C.B. **Park**, 2000, Multichannel analysis of surface wave theory and applications: Kansas Geological Survey Open-file Report 2000-25.
- Park, C.B.**, Miller, R.D., and Xia, J., 1999, Detection of near-surface voids using surface waves [Abs.]: Proceedings of the Int'l Conference on Applications of Geophysical Technologies, Dec. 11-15, 2000, St. Louis, Missouri.
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- Park, C.B., Miller, R.D., and Xia, J., 1997, Multi-channel analysis of surface waves (MASW)-A summary report of technical aspects, experimental results, and perspective: Kansas Geological Survey Open-file Report 97-10.**
- Park, C. B., 1995, Characterization of geotechnical sites by multichannel analysis of surface waves, Proceedings of the Korean Ground Society, 95th annual meeting, Seoul, Korea, 15-21.**

Data Processing

(MASW Dispersion and Reflection)

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- Park, C.B., 2010, Roadside passive MASW-dynamic correction of source location: Proceedings of the SAGEEP 2010, Keystone, Colorado, April 11-15, 2010 (Best of SAGEEP paper presentation).**
- Park, C.B. and Ryden, N., 2007b, Offset selective dispersion imaging: Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2007), Denver, April 1-5, Proceedings on CD Rom.**
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- Park, C.B., Miller, R.D., and Xia, J., 1998, Imaging dispersion curves of surface waves on multi-channel record: [Expanded Abstract]: Soc. Explor. Geophys., 1377-1380.**

Field Approach (MASW)

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- Xia, J., Miller, R.D., **Park**, C.B., and Tian, G., 2002, Determining Q of near-surface materials from Rayleigh waves: Journal of Applied Geophysics, v. 51, no. 2-4, p. 121-129.
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Inversion Analysis (MASW)

- Ryden, N., and C.B. **Park**, 2006, Fast simulated annealing inversion of surface waves on pavement using phase-velocity spectra: *Geophysics*, v. 71, n. 4, p. 49-58.
- Xia, J., R.D. Miller, C.B. **Park**, and G. Tian, 2003, Inversion of high frequency surface waves with fundamental and higher modes: *Journal of Applied Geophysics*, v. 52, no. 1, 45-57.
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Methodology **(MASW and Reflection)**

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Pavement MASW

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Case Studies

(MASW, Reflection, and Earthquake)

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Underwater MASW

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Software
(MASW and Reflection)

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