

FULL LIST OF PUBLICATION

Dr. Choon B. Park (As of February 2009)

- Park**, C.B., and Carnevale, M., 2009, 3-D MASW: To be presented in SAGEEP 2009, Fort Worth, Texas, March 29-April 2.
- Park**, C.B., and Shawver, J.B., 2009, Multi-source offset MASW survey: To be presented in SAGEEP 2009, Fort Worth, Texas, March 29-April 2.
- Yeluru, P., Baker, G., **Park**, C.B., and Taylor, L., 2008, New developments in seismic surface waves data acquisition and processing: Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2008), Philadelphia, April 6-10, Proceedings on CD Rom.
- Park**, C.B., 2008, Imaging dispersion of passive surface waves with active scheme: Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2003), Philadelphia, April 6-10, Proceedings on CD Rom.
- Park**, C.B., and Miller, R.D., 2008, Roadside passive multichannel analysis of surface waves (MASW): *Journal of Environmental & Engineering Geophysics*, v. 13, no. 1, p. 1-11.
- 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. 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.
- 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.
- Ryden, N., Lowe, M.J.S., Cawley, P., and **Park**, C.B., 2007, Non-contact surface wave testing while moving: 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., and N. Ryden, 2006, Roadside seismic survey utilizing traffic noise: Proceedings of the NDE Conference on Civil Engineering, St. Louis, MO, August 14-18, p. 317-324.
- Park**, C.B., and R.D. Miller, 2006, Roadside passive MASW: *Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2006)*, Seattle, Washington, April 2-6, p. 1116-1127.
- Park**, C.B., 2006, Multichannel analysis of surface waves-active and passive methods: *Proceedings of the Korean Society of Exploration Geophysicists (K-SEG) Ann. Conference*, Daejeon, Korea, May 26-27.
- Park**, C.B., 2006, SurfSeis-active and passive MASW (User's Manual v 2.0): Kansas Geological Survey.
- Ryden, N., M. J. S. Lowe, P. Cawley, and C. B. **Park**, 2006, Non-contact surface wave measurements using a microphone: *Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2006)*, Seattle, Washington, April 2-6, p. 1110-1115.
- 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.
- Hunter, J.A., S.E. Pullan, R.L. Good, R.A. Burns, M. Douma, R.D. Miller, C.B. **Park**, and J. Xia, 2005, Measuring sub-seabottom seismic velocities—Some unusual experiments: *Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2005)*, Atlanta, Georgia, April 3-7, p. 370-386.
- Ivanov, J., C.B. **Park**, R.D. Miller, and J. Xia, 2005, Analyzing and filtering surface-wave energy by muting shot gathers: *Journal of Environmental & Engineering Geophysics*, v. 10, no. 3, p. 307-322.
- Kaufmann, R.D., J. Xia, R.C. Benson, L.B. Yuhr, D.W. Casto, and C.B. **Park**, 2005, Evaluation of MASW data acquired with a hydrophone streamer in a shallow marine environment: *Journal of Environmental & Engineering Geophysics*, v. 10, n. 2, p. 87-98.
- Miller, R.D., J. Xia, and C.B. **Park**, 2005, Seismic techniques to delineate dissolution features (Karst) at a proposed power plant site: Society of Exploration Geophysicists, Investigations in Geophysics no. 13, Dwain K. Butler, ed., *Near-Surface Geophysics*, p. 663-679.
- Park**, C.B., Miller, R.D., Xia, J., Ivanov, J., Sonnichsen, G.V., Hunter, J.A., Good, R.L., and Burns, R.A., 2005, Underwater MASW to evaluate stiffness of water-bottom sediments: *The Leading Edge (TLE)*, v. 24, no. 7, p. 724-728.
- Park**, C.B., Miller, R.D., N. Ryden, J. Xia, and J. Ivanov, 2005, Combined use of active and passive surface waves: *Journal of Environmental & Engineering Geophysics*, v. 10, no. 3, p. 323-334.
- Park**, C.B., and Miller, R.D., 2005a, Seismic characterization of wind turbine sites near Lawton, Oklahoma, by the MASW method: *Kansas Geological Survey Open-file Report 2005-22*.

- Park, C.B.**, and Miller, R.D., 2005b, Seismic characterization of wind turbine sites in Kansas by the MASW method: *Kansas Geological Survey Open-file Report 2005-23*.
- Park, C.B.** and R.D. Miller, 2005c, Multichannel analysis of passive surface waves-modeling and processing schemes: Proceedings of the Geo-Frontiers conference, Austin, Texas, January 23-26, 2005.
- Park, C.B.**, 2005, Shear-wave velocity (V_s) 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.**, 2005, MASW-Horizontal resolution in 2-D shear-wave velocity (V_s) mapping: Kansas Geological Survey Open-file Report 2005-4.
- Penumadu, D. and C.B. **Park**, 2005, Multichannel analysis of surface wave (MASW) method for geotechnical site characterization: Proceedings of the Geo-Frontiers conference, Austin, Texas, January 23-26, 2005.
- Miller, R.D., J.M. Ivanov, T.S. Anderson, C.B. **Park**, M.L. Moran, and R. Ballard, 2004, Deployment and testing of wavefield imaging systems to detect underground facilities: Proceedings of the Military Sensing Symposia Specialty Group on Battlefield Acoustic and Seismic Sensing, August 23-26, Laurel, Maryland, Published on CD.
- Park, C.B.**, and R.D. Miller, 2004, MASW to map shear-wave velocity of soil: Kansas Geological Survey Open-file Report 2004-30
- 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.
- Park, C.**, R. Miller, D. Laflen, N. Cabrillo, J. Ivanov, B. Bennett, and R. Huggins, 2004, Imaging dispersion curves of passive surface waves [Exp. Abs.]: Soc. Expl. Geophys., p. 1357-1360.
- Ryden, N., C.B. **Park**, and P. Ulriksen, 2004, A framework for inversion of wavefield spectra in seismic non-destructive testing of pavements: Proceedings of the 2nd International Conference on Site Characterization (ISC-2), Porto, Portugal, September 19-22, 2004.
- Ryden, N. and C.B. **Park**, 2004, Seismic joint analysis for non-destructive testing of asphalt and concrete slabs: Proceedings of the Geo-Frontiers conference, Austin, Texas, Jan 23-26, 2005.
- Ryden, N., C.B. **Park**, P. Ulriksen, and R.D. Miller, 2004, Multimodal approach to seismic pavement testing: *Journal of Geotechnical and Geoenvironmental Engineering*, v. 130, p. 636-645.
- Xia, J., R.D. Miller, C.B. **Park**, J. Ivanov, G. Tian, C. Chen, 2004, High-frequency Rayleigh wave and its application in near-surface geophysics: Proceedings of the International Conference on Environmental and Engineering Geophysics, June 6-9, Wuhan, China, p. 30-38.
- Xia, J., R.D. Miller, C.B. **Park**, J. Ivanov, G. Tian, and C. Chen, 2004, Utilization of high-frequency Rayleigh waves in near-surface geophysics: *The Leading Edge*, v. 23, n. 8, p. 753-759.
- Xia, J., R.D. Miller, C.B. **Park**, J. Ivanov, G. Tian, C. Chen, 2004, High-frequency Rayleigh wave and its application in near-surface geophysics: *Proceedings of the International Conference on Environmental and Engineering Geophysics*, June 6-9, Wuhan, China, p. 30-38.
- Ivanov, J., R.D. Miller, C.B. **Park**, and N. Ryden, 2003, Seismic search for underground anomalies [Exp. Abs.]: Soc. Expl. Geophys., NSG3.2.
- Kim, J.H., and C.B. **Park**, 2003, Processing of downhole S-wave seismic survey data by considering direction of polarization: SEG-Korea, v. 5, no. 4, 321-328.
- Miller, R.D., T.S. Anderson, J. Ivanov, J.C. Davis, R. Olea, C.B. **Park**, D.W. Steeples, M. L. Moran, and J. Xia, 2003, 3-D characterization of seismic properties at the Smart Weapons Test Range, YPG [Exp. Abs.]: Soc. Expl. Geophys., NSG2.3.
- Miller, R.D., K. G. Park, J. Ivanov, C. B. **Park**, and D. Laflen, 2003, A 2-C towed geophone spread for variable surface conditions: Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2003), San Antonio, Texas, April 6-10, SEIS06.
- Miller, R.D., J. Ivanov, C. **Park**, D. Laflen, and J. Blair, 2003, Otay Mesa, California, Tunnel Search Mission, 28 Jan 2003, Seismic search for underground anomalies: Kansas Geological Survey Open-file Report 2003-61.
- Park, C.B.**, and R.D. Miller, 2003, MASW for shear wave velocity evaluation of soil before and after deep dynamic compaction operations: Kansas Geological Survey Open-file Report 2003-64.
- Park, C.B.**, N. Ryden, and P. Ulriksen, 2003, The MASW method-what and where it is, Exhibition of the European Association of Geoscientists and Engineers (EAGE) 65th Conference and Exhibition, Stavanger, Norway, 2-5 June 2003.
- Park, K., C. B. **Park**, and R.D. Miller, 2003, A local damping scheme for nonreflecting boundary conditions in surface wave modeling: Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2003), San Antonio, Texas, April 6-10, SUR03.
- Ryden, N., C.B. **Park**, P. Ulriksen, and R.D. Miller, 2003, Lamb wave analysis for non-destructive testing of concrete plate structures: Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2003), San Antonio, Texas, April 6-10, INF03.

- Ryden, N., and C.B. **Park**, 2003, Surface waves in inversely dispersive media: Special Publication: Near Surface Geophysics: Exhibition of the European Association of Geoscientists and Engineers (EAGE).
- Ryden, N., C.B. **Park**, P. Ulriksen, and R.D. Miller, 2003, A Multimodal Approach to Seismic Pavement Testing, Journal of Geotechnical and Geoenvironmental Engineering, American Society of Civil Engineering (ASCE).
- 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.
- Kim, J.H., **Park**, C.B., and Park, K.G., 2002, P- and S-wave down-hole surveys at the KGS BH1 test site in Lawrence, Kansas: Kansas Geological Survey open-file report 2002-31.
- Miller, R.D., **Park**, C.B., Anderson, T.S., Ballard, R.F., Park, K., Xia, J., and Moran, M.L., 2002, Wavefield imaging to detect underground facilities: Proceedings of the Military Sensing Symposia Specialty Group on Battlefield Acoustic and Seismic Sensing, September 24-26, Laurel, Maryland, Published on CD.
- Park**, C.B., Miller, R.D., and Miura, H., 2002, Optimum field parameters of an MASW survey: Proceedings of the SEG-Japan 2002, Tokyo, Japan.
- Park**, C.B., Miller, R.D., and Ivanov, J., 2002, Filtering surface waves: Proceedings of the SAGEEP 2002, Las Vegas, Nevada, 12SEI9.
- Park**, C.B., Ryden, N., Westerhoff, R., and Miller, R.D., 2002, Lamb waves observed during MASW surveys [Exp. Abs.]: Soc. Expl. Geophys., p. 1400-1403.
- Park**, C.B., Ryden, N., Miller, R.D., and Ulriksen, P., 2002, Time break correction in multichannel simulation with one receiver (MSOR): Proceedings of the SAGEEP 2002, Las Vegas, Nevada, 12SEI3.
- Ryden, N., **Park**, C.B., Ulriksen, P., and Miller, R.D., 2002, Branching of dispersion curves in surface wave testing of pavements: Proceedings of the SAGEEP 2002, Las Vegas, Nevada, 12SEI7.
- Ryden, N., Ulriksen, P., **Park**, C.B., and Miller, R.D., 2002, Portable seismic acquisition system (PSAS) for pavement MASW: Proceedings of the SAGEEP 2002, Las Vegas, Nevada, 13IDA7.
- Xia, J., Miller, R.D., **Park**, C.B., Hunter, J.A., Harris, J.B., and Ivanov, J., 2002, Comparing shear-wave velocity profiles inverted from multichannel surface wave with borehole measurements: Soil dynamics and Earthquake Engineering (SDEE), v. 22, p. 181-190.
- Xia, J., Miller, R.D., **Park**, C.B., Wightman, E., and Nigbor, R., 2002, A pitfall in shallow shear-wave refraction surveying: Journal of Applied Geophysics, v. 51, no. 1, 1-9.
- 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.
- Xia, J., Li, P.H., Lewis, M.J., Miller, R.D., and **Park**, C.B., 2002, Using surface wave method to define a sinkhole impact area in a noisy environment: Proceedings of the SAGEEP 2002, Las Vegas, Nevada, 13CAV7.
- Ivanov, J., **Park**, C.B., Miller, R.D., Xia, J., and Overton, R., 2001, Modal separation before dispersion curve extraction by MASW method: Proceedings of the SAGEEP 2001, Denver, Colorado, SSM-3.
- Miller, R.D., Xia, J., and **Park**, C.B., 2001, Love waves: A menace to shallow shear wave reflection surveying; SEG 2001, p. 1377-1380.
- Miller, R.D., Xia, J., **Park**, C.B., and Ivanov, J., 2001, Shear wave velocity field to detect anomalies under asphalt: Proceedings of the 52nd Highway Geology Symposium, May 16, Baltimore, Maryland.
- Miller, R.D., Xia, J., **Park**, C.B., Hunter, J.A., and Harris, J.B., 2001, Comparing shear-wave velocity profiles from multi-channel analysis of surface wave with borehole measurements: submitted to the Tenth International Conference on Soil Dynamics and Earthquake Engineering (SDEE) in Philadelphia in October 2001.
- Park**, C.B., Miller, R.D., and Xia, J., 2001, Offset and resolution of dispersion curve in multichannel analysis of surface waves (MASW): *Proceedings of the SAGEEP 2001*, Denver, Colorado, SSM4
- Park**, C.B., Ivanov, J., Miller, R.D., Xia, J., and Ryden, N., 2001, Seismic investigation of pavements by MASW method—geophone approach: Proceedings of the SAGEEP 2001, Denver, Colorado, RBA-6.
- Park**, C.B., Ivanov, J., Miller, R.D., Xia, J., and Ryden, N., 2001, Multichannel analysis of surface waves (MASW) for pavement-feasibility test: Proceedings of the 5th SEGJ International Symposium, Tokyo, p. 25-30.
- 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., Miller, R.D., and Xia, J., 2001, Higher modes of surface waves over unconsolidated sediments: Proceedings of the 5th International Symposium on Recent Advances in Exploration Geophysics (RAEG2001), Kyoto, p. 9-17.

- Ryden, N., Ulriksen, P., **Park**, C.B., Miller, R.D., Xia, J., and Ivanov, J., 2001, High frequency MASW for non-destructive testing of pavements-accelerometer approach: Proceedings of the SAGEEP 2001, Denver, Colorado, RBA-5.
- Xia, J., Miller, R.D., and **Park**, C.B., 2001, Feasibility of determining Q of near-surface materials from Rayleigh waves: SEG 2001, p. 1381-1384.
- Xia, J., Miller, R.D., and **Park**, C.B., 2001, Inversion of phase velocities of surface waves with higher modes: submitted to the Tenth International Conference on Soil Dynamics and Earthquake Engineering (SDEE) in Philadelphia in October 2001.
- Xia, J., Miller, R.D., and **Park**, C.B., 2001, Feasibility of using the MASW method to define sinkhole impact area at Calvert Cliffs Nuclear Power Plant, Maryland: Kansas Geological Survey Open-file Report 2001-19.
- Harris, J.B., R.D. Miller, J. Xia, J.A. Hunter, C.B. **Park**, D.R. Laflen, and R.L. Good, 2000, Near-surface shear wave reflection surveys in the Fraser River delta, B.C., Canada [Exp. Abs.]: Soc. Expl. Geophys., p. 1327-1330.
- Ivanov, J., C.B. **Park**, R.D. Miller, J. Xia, J.A. Hunter, R.L. Good, and R.A. Burns, 2000, Joint analysis of surface-wave and refraction events from river-bottom sediments [Exp. Abs.]: Soc. Expl. Geophys., p. 1307-1310.
- Ivanov, J., C.B. **Park**, R.D. Miller, and J. Xia, 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, p. 11-19.
- Kim, K.Y., C.B. **Park**, R.D. Miller, and J. Xia, 2000, Direct stacking along corridors of hyperbolic trajectories for shallow seismic data [Exp. Abs.]: Soc. Expl. Geophys., p. 1291-1294.
- Miller, R.D., J. Xia, C.B. **Park**, J. Ivanov, D. Laflen, and J.M. Anderson, 2000, Detecting fracture-related voids and abandoned lead/zinc mines and appraising the subsidence potential near Baxter Springs, Kansas: Kansas Geological Survey Open-file Report 2000-75.
- Miller, R.D., C.B. **Park**, J. Xia, J.M. Ivanov, and D.R. Laflen, 2000, Potential of MASW to delineate fractures in the Winterset Limestone at the Johnson County Landfill, Kansas: Kansas Geological Survey Open-file Report 2000-50.
- Miller, R.D., C.B. **Park**, J.M. Ivanov, J. Xia, D.R. Laflen, and C. Gratton, 2000, MASW to investigate anomalous near-surface materials at the Indian Refinery in Lawrenceville, Illinois: Kansas Geological Survey Open-file Report 2000-4.
- Miller, R.D., J. Xia, C.B. **Park**, and J. Ivanov, 2000, Shear wave velocity field from surface waves to detect anomalies in the subsurface: Proceedings of the First International Conference on the Application of Geophysical Methodologies to Transportation Facilities and Infrastructure, St. Louis, December 11-15, 2000.
- Park**, C.B., R.D. Miller, J. Xia, J. Ivanov, J.A. Hunter, R.L. Good, and R.A. Burns, 2000, Multichannel analysis of underwater surface waves near Vancouver, B.C., Canada [Exp. Abs.]: Soc. Expl. Geophys., p. 1303-1306.
- Park**, C.B., R.D. Miller, and J. Xia, 2000, Detection of higher mode surface waves over unconsolidated sediments by the MASW method: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2000), Arlington, Va., February 20-24, p. 1-9.
- 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.
- Xia, J., R.D. Miller, C.B. **Park**, J.A. Hunter, and J.B. Harris, 2000, Comparing shear-wave velocity profiles from MASW with borehole measurements in unconsolidated sediments, Fraser River Delta, B.C., Canada: *Journal of Environmental and Engineering Geophysics*, v. 5, n. 3, p. 1-13.
- Xia, J., R.D. Miller, and C.B. **Park**, 2000, Advantages of calculating shear-wave velocity from surface waves with higher modes: [Exp. Abs.]: Soc. Expl. Geophys., p. 1295-1298.
- Xia, J., R.D. Miller, C.B. **Park**, and J. Ivanov, 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, p. 1197-1206.
- Miller, R.D., Xia, J., **Park**, C.B., and Ivanov, J., 1999, Multichannel analysis of surfaces waves to map bedrock: *Leading Edge*, v. 18, n. 12.
- Miller, R.D., Xia, J., **Park**, C.B., and Ivanov, J., 1999, Using MASW to map bedrock in Olathe, Kansas [Exp. Abs.]: Soc. Explor. Geophys., p. 433-436.
- Miller, R.D., Xia, J., **Park**, C.B., Davis, J.C., Shefchik, W.T., and Moore, L., 1999, Seismic techniques to delineate dissolution features in the upper 1000 ft at a power plant site [Exp. Abs.]: Soc. Explor. Geophys., p. 492-495.

- Miller, R.D., Xia, J., **Park**, C.B., and Ivanov, J., 1999, Shear wave velocity field to detect anomalies in the subsurface [Abs.]: Proceedings of the Int'l Conference on Applications of Geophysical Technologies, Dec. 11-15, 2000, St. Louis, Missouri.
- Miller, R.D., Xia, J., and **Park**, C.B., 1999, MASW to investigate subsidence in the Tampa, Florida area: Kansas Geological Survey Open-file Report 99-33.
- Miller, R.D., Xia, J., C. **Park**, Ivanov, J., Geier, N., and Laflen, D., 1999, Using MASW to map bedrock in Olathe, Kansas: Kansas Geological Survey Open-file Report 99-9.
- Park**, C.B., Miller, R.D., and Xia, J., 1999, Multi-channel analysis of surface waves (MASW): *Geophysics*, v. 64, no. 3, p. 800-808.
- Park**, C.B., Miller, R.D., Xia, J., Hunter, J.A., and Harris, J.B., 1999, Higher mode observation by the MASW method [Exp. Abs.]: Soc. Explor. Geophys., p. 524-527.
- Park**, C.B., Miller, R.D., and Xia, J., 1999, Multimodal analysis of high frequency surface waves (SAGEEP 99), Oakland, Calif., March 14-18, p. 115-121.
- Park**, C.B., Miller, R.D., and Xia, J., 1999, Detection of near-surface voids using surface waves (SAGEEP 99), Oakland, Calif., March 14-18, p. 281-286.
- 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.
- Xia, J., Miller, R.D., and **Park**, C.B., 1999, Estimation of near-surface shear-wave velocity by inversion of Rayleigh waves: *Geophysics*, v. 64, no. 3, p. 691-700.
- Xia, J., Miller, R.D., **Park**, C.B., Hunter, J.A., and Harris, J.B., 1999, Evaluation of the MASW technique in unconsolidated sediments [Exp. Abs.]: Soc. Explor. Geophys., p. 437-440.
- Xia, J., Miller, R.D., **Park**, C.B., Wightman, E., and Nigbor, R., 1999, A pitfall in shallow shear-wave refraction surveying [Exp. Abs.]: Soc. Explor. Geophys., p. 508-511.
- Xia, J., Miller, R.D., **Park**, C.B., and Hunter, J., 1998, Comparison of shear wave velocities from MASW technique and borehole measurements in unconsolidated sediments of the Fraser River Delta: Kansas Geological Survey Open-file Report 98-58.
- 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.
- Park**, C.B., Miller, R.D., and Xia, J., 1998, Ground roll as a tool to image near-surface anomaly: [*Expanded Abstract*]: Soc. Explor. Geophys., 874-877.
- Park**, C. B., 1998, Shear-wave (S) velocity profiling from multichannel ground roll data, Proceedings of the Korean Geoenvironmental Society, annual meeting, Seoul, Korea.
- Park**, C.B., Miller, R.D., and Xia, J., 1997, Summary report on surface-wave project at Kansas Geological Survey (KGS): Kansas Geological Survey Open-file Report 97-80.
- 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., Miller, R.D., and Xia, J., 1996, Multi-channel analysis of surface waves using Vibroseis (MASWV): [*Expanded Abstract*]: Soc. Explor. Geophys., 68-71.
- Park**, C.B., Miller, R.D., Steeples, D.W., and Black, R.A., 1996, Swept impact seismic technique (SIST): *Geophysics*, 61, 1789-1803.
- Miller, R.D., J.M. Anderson, D.R. Laflen, B.C. Bennett, and C.B. **Park**, 1995, High resolution seismic reflection survey at Mud Mountain Dam near Enumclaw, Washington: Kansas Geological Survey Open-file Report 95-8.
- Miller, R.D., B.C. Bennett, C.B. **Park**, and J. Xia, 1996, User's Manual, WinSeis seismic processing software: Kansas Geological Survey, 144 pp.
- Park**, C.B., and Black, R.A., 1995, Simple time-variant band-pass filtering by operator scaling: *Geophysics*, 60, 1527-1535.
- 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.
- Park**, C.B., Steeples, D.W., Black, R., and Miller, R.D., 1993, A new coded seismic technique [*Expanded Abstract*]: Soc. Explor. Geophys., 512-514.
- Miller, R.D., Steeples, D.W., Anderson, J.M., Dettman, D.B., Xia, J., **Park**, C.B., and Musson, L.C., 1993, Shallow seismic reflection survey at the Southern Clean Fuels Coal Liquefaction Facility near Wilsonville, Alabama: Kansas Geological Survey Open-file Report 93-4.
- Miller, R.D., Xia, J., Keithline, J., Steeples, D.W., Musson, L.C., Anderson, J.M., Dettman, D.B., **Park**, C.B., Deputy, J.O., Brohammer, M.C., and Hoch, J.M., 1993, Seismic reflection survey of faulting near Charleston, South Carolina: Kansas Geological Survey Open-file Report 93-27.

Steeple, D.W., Bennett, B.C., **Park**, C.B., Miller, R.D., and Knapp, R.W., 1990, Microearthquakes in Kansas and Nebraska 1977-1989: U.S. Nuclear Regulatory Commission, Washington, D.C., Final Report NUREG/CR-5629-RA, NRC FIN D2007, Contract no. NRC-04-87-084.

Steeple, D.W., Bennett, B.C., **Park**, C.B., Miller, R.D., Knapp, R.W., 1990, Microearthquakes in Kansas and Nebraska, 1977-89; U.S. Nuclear Regulatory Commission, Washington, D. C.: Kansas Geological Survey Open-file Report 90-10.