

VITA

Choon B. Park, Ph.D.



Date of Update: August, 2010

Occupation and Contacts

Geotechnical Consultant
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Education

- Ph.D., Geology (Emphasis in Geophysics), University of Kansas, Lawrence, Kansas, 1995.
- M. S., Geology (Emphasis in Geophysics), Ohio University, Athens, Ohio, 1990.
- B. S., Physics Education, Seoul National University, Seoul, Korea, 1985.

Employment

- Owner, Park Seismic LLC, 2007-present
- Assistant Scientist, Kansas Geological Survey, 1999-2006
- Post-Doc., Kansas Geological Survey, 1995-1999
- Graduate Research Assistant, Kansas Geological Survey, 1988-1995
- Graduate Research Assistant, Ohio University, 1986-1988

Publication List

Full List: www.parkseismic.com/files/DrPark_FullPublication_Categorized_Aug2010_.pdf

Selected List:

- 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., Steeples, D.W., and Black, R.A., 1996, Swept impact seismic technique (SIST): *Geophysics*, 61, 1789-1803.
- Park, C.B.,** and Black, R.A., 1995, Simple time-variant band-pass filtering by operator scaling: *Geophysics*, 60, 1527-1535.
- 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.,** 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.,** 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.
- 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.,** 2006, SurfSeis-active and passive MASW (User's Manual v 2.0): Kansas Geological Survey.
- 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.,** and Shawver, J.B., 2009, Multi-source offset MASW survey: Proceedings of SAGEEP 2009, Fort Worth, Texas, March 29-April 2 (BEST OF SAGEEP PAPER).
- Park, C.B.,** 2008, Imaging dispersion of passive surface waves with active scheme: Proceedings of SAGEEP 2008, Philadelphia, April 6-10 (BEST OF SAGEEP PAPER).
- 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 Ryden, N., 2007b, Offset selective dispersion imaging: Proceedings of SAGEEP 2007, Denver, April 1-5.

Areas of Interests and Experience

- MASW (Multichannel Analysis of Surface Waves) application for near-surface investigation (wind-turbine site characterization, ground stiffness mapping in 2-D and 3-D, etc.).
- Software development for shallow (surface- and body-wave) seismic data processing: main author of *SurfSeis* (surface-wave processing software for MASW method) and co-author of *WinSeis* (reflection-data processing software)
- Seismic data processing technique for near-surface investigation.
- SIST (Swept Impact Seismic Technique) for high-resolution seismic investigation.

Honors and Awards

- The “Best of SAGEEP” paper presentation, SAGEEP 2010, Keystone, CO, April 11-15, 2010.
- The “Best of SAGEEP” paper presentation, SAGEEP 2009, Fort Worth, TX, March 29-April 2, 2009.
- The “Best of SAGEEP” paper presentation, SAGEEP 2008, Philadelphia, PA, April 6-10, 2008.
- Distinguished Achievement Award (bestowed to Exploration Services Section at KGS in honor of achievement in near-surface seismic research), 2002, Society of Exploration Geophysicists (SEG) 72nd Annual Meeting, Salt Lake City, Utah, October 6-11.
- Defended Ph.D. thesis “with honors,” Department of Geology, University of Kansas, 1995.
- William W. Hambleton Student Research Award, Kansas Geological Survey, 1994.
- Hornored Graduate Student Award, Ohio University, 1988.

Invited Presentations, Session Chair, and Panelist

- Session chair, Seismic surface-wave methods, GeoFlorida 2010, Geocongress Annual Meeting, West Palm Beach, FL, February 20-24, 2010
- Session chair, Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2008), Philadelphia, April 6-10.
- Invited Presentation, The 3rd International Conference on Site Characterization (ISC3), Taipei, Taiwan, April 1-4, 2008.
- Invited Speaker, Samsung Engineering & Construction, Seoul, Korea, March 24, 2008.
- Invited Speaker, Korean Society of Exploration Geophysicists (K-SEG) Ann. Conference, Daejeon, Korea, May 26-27, 2006.
- Session chair, Environmental and Engineering Geophysical Society (EEGS) Annual Meeting, 2003, San Antonio, Texas.
- Invited Speaker, panelist, and session chair, Society of Exploration Geophysicists Japan (SEG-J) 5th International Symposium, 2001, Tokyo, Japan.
- Invited presentation and demonstration of MASW method, 1996, Geometrics Inc., San Jose, CA.
- Session chair, Korean Geophysical Society Annual Meeting, 1997, Seoul, Korea.

MASW Workshop Taught

- Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2005), Atlanta, Georgia, April 7, 2005.
- Kansas Geological Survey (KGS), University of Kansas (KU), Lawrence, January 13-14, 2005.
- Kansas Geological Survey (KGS), University of Kansas (KU), Lawrence, September 28-29, 2004.
- Kansas Geological Survey (KGS), University of Kansas (KU), Lawrence, October 7-8, 2004.
- Korean Society of Engineering Geology (KSEG) Ann. Mtng., Kang Won National University, Chun Cheon, Korea, April 30-May 1, 2004.
- Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2004), Colorado Springs, Colorado, February 26, 2004.
- Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP 2003), San Antonio, Texas, April 6, 2003.
- Kansas Geological Survey (KGS), University of Kansas (KU), Lawrence, November 6-7, 2003.
- Kansas Geological Survey (KGS), University of Kansas (KU), Lawrence, May 1-2, 2002.
- Tokyo, Japan, May 21, 2002.
- Seoul, Korea, February 8, 2001.

Paper Presentation at International Conference

- SAGEEP⁽¹⁾ 23rd Annual Meeting, Keystone, CO, April 11-15, 2010.
- GeoFlorida 2010, Geocongress Annual Meeting, West Palm Beach, FL, February 20-24, 2010.
- SAGEEP⁽¹⁾ 22nd Annual Meeting, Fort Worth, TX, March 29-April 2, 2009.
- SAGEEP⁽¹⁾ 21st Annual Meeting, Philadelphia, PA, April 6-10, 2008.
- The 3rd ISC3⁽²⁾, Taipei, Taiwan, April 1-4, 2008.
- SAGEEP 20th Annual Meeting, Denver, April 1-5, 2007.
- K-SEG⁽³⁾ Ann. Conference, Daejeon, Korea, May 26-27, 2006.

- SAGEEP 19th Annual Meeting, Seattle, Washington, April 2-6, 2006.
- SAGEEP 18th Annual Meeting, Atlanta, Georgia, April 3-7, 2005.
- SAGEEP 16th Annual Meeting, San Antonio, Texas, April 6-10, 2003.
- SAGEEP 15th Annual Meeting, Las Vegas, Nevada, February 10–14, 2002.
- RAEG⁽⁴⁾ 5th International Symposium, Kyoto, Japan, January 22, 2001.
- SEG-J⁽⁵⁾ 5th International Symposium, Tokyo, Japan, January 24–26, 2001.
- SAGEEP 14th Annual Meeting, Denver, Colorado, March 4–7, 2001.
- SAGEEP 13th Annual Meeting, Arlington, Virginia, February 20–24, 2000.
- SAGEEP 12th Annual Meeting, Oakland, California, March 14–18, 1999.
- SEG⁽⁶⁾ International Exposition and 69th Annual Meeting, Houston, Texas, October 31–November 5, 1999.
- SEG International Exposition and 68th Annual Meeting, New Orleans, Louisiana, September 13–18, 1998.
- SEG International Exposition and 66th Annual Meeting, Denver, Colorado, November 10–15, 1996.
- SEG International Exposition and 63rd Annual Meeting, Washington, D.C., September 26–30, 1993.

⁽¹⁾ Symposium on the Application of Geophysics to Environmental and Engineering Problems (SAGEEP)

⁽²⁾ International Conference on Site Characterization (ISC)

⁽³⁾ Korean Society of Exploration Geophysicists (K-SEG)

⁽⁴⁾ Recent Advances in Exploration Geophysics (RAEG)

⁽⁵⁾ Society of Exploration Geophysicists–Japan (SEG-J)

⁽⁶⁾ Society of Exploration Geophysicists (SEG)