

MASW Training Course **(Geophone and Microphone Surveys)**

October 29-30 (Wed-Thurs), 2025

[Seismic Source Company](#)

Ponca City, OK

INSTRUCTOR

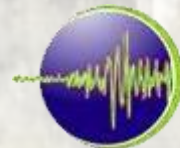
Dr. Choon Park

CEO & Principal Geophysicist

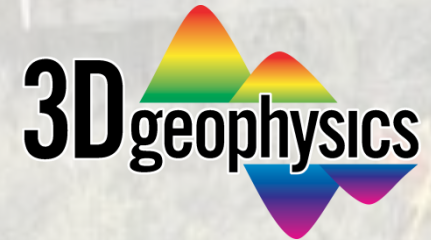
Park Seismic LLC



Innovative Solutions
For Seismic Industry



Park Seismic



Multichannel Analysis of Surface Waves

MASW Training – Geophone and Microphone Surveys

[Seismic Source Company](#), Ponca City, OK (October 29-30, 2025)

Instructor: Dr. [Choon Park](#), CEO & Principal Geophysicist, Park Seismic LLC, Shelton, Connecticut, USA

SCHEDULE – DAY 1 (Wednesday, October 29, 2025)

Checking In (8:45 am – 9:00 am)

1. What is MASW? – Overview of Theory, Procedure, and Applications 9:00 am - 9:45 am
2. Field Logistics and Equipment 9:45 am - 10:30 am

Coffee Break (10:30 am - 10:45 am)

3. Data Analysis – Theory and Practice 10:45 am – 11:15 am
4. Applications – Typical Areas 11:15 am – 12:00 pm

Lunch (12:00 pm - 1:00 pm)

5. MASW Project Examples – Part I (*3DGeophysics*) 1:00 pm – 2:00 pm
6. Outdoor Field Survey Briefing 2:00 pm – 2:15 pm

Coffee Break (2:15 pm - 2:30 pm)

7. Outdoor Field Survey* 2:30 pm – 5:00 pm
 - Test survey (QA/QC) – active and passive
 - Production survey – Vs30m (seismic site characterization)
 - Production survey – land streamer survey for 2D cross section
 - Production survey – Fixed-Array-Shoot-Through (FAST) for 2D cross section

* Using DAQLink5 MASW system for data acquisition and ParkSEIS-X (PSX) software package for On-Site Analysis

MASW Training – Geophone and Microphone Surveys

[Seismic Source Company](#), Ponca City, OK (October 29-30, 2025)

Instructor: Dr. [Choon Park](#), CEO & Principal Geophysicist, Park Seismic LLC, Shelton, Connecticut, USA

SCHEDULE – DAY 2 (Thursday, October 30, 2025)

Checking In (8:45 am – 9:00 am)

1. Seismic Source Company and MASW – Products and Systems 9:00 am - 9:45 am
2. Seismic Survey using Microphones ([SeisMike](#)) 9:45 am - 10:30 am

Coffee Break (10:30 am - 10:45 am)

3. [SeisMike](#) Survey on Concrete Floor* 10:45 am – 12:00 pm

Lunch (12:00 pm - 1:00 pm)

4. MASW Project Examples – Part II (*3DGeophysics*) 1:00 pm – 2:00 pm
5. Data-Process Tutorial for Vs30m** 2:00 pm – 2:45 pm

Coffee Break (2:45 pm - 3:00 pm)

6. Data-Process Tutorial for 2D Cross Section** 3:00 pm – 3:45 pm
7. Special Approaches (Passive, Back Scattering, Tapper 64, etc.) 3:45 pm – 4:30 pm
8. Discussion and Closing 4:30 pm – 5:00 pm

*Using DAQLink5 [SeisMike](#) system for data acquisition and ParkSEIS-X (PSX) software package for On-Site Analysis

**Using ParkSEIS-X (PSX) and real MASW data sets

About Instructor



Choon Park, Ph.D.

CEO/Principal Geophysicist

Park Seismic LLC

Shelton, Connecticut

- ▶ **Founder CEO/Principal Geophysicist, Park Seismic LLC, Shelton, CT, 2006 –**
- ▶ **Research Scientist at Kansas Geological Survey (KGS), University of Kansas (KU), 1995 – 2006.**
- ▶ **Ph.D. in Geology/Geophysics, University of Kansas (KU), 1995.**
- ▶ **M.S. in Geology/Geophysics, Ohio University (OU), Athens, OH, 1988.**
- ▶ **B.A. in Physics Education, Seoul National University (SNU), Seoul, South Korea, 1983.**

Dr. Choon Park is lead author of the MASW technique published in GEOPHYSICS in 1999 while he was working at the Kansas Geological Survey (KGS). Dr. Park founded Park Seismic LLC in 2007 where he is currently working as the principal geophysicist. He is the author of the ParkSEIS software for MASW analysis. Over the last two decades, Dr. Park has taught MASW training courses at more than twenty geophysical and geotechnical conferences. Dr. Park received his Ph.D. from the University of Kansas (KU) and his master's (MS) degree from Ohio University. Dr. Park graduated from Seoul National University with a bachelor's degree in Physics education.