ParkSEIS© (PS) for MASW Data Analysis

It incorporates up-to-date algorithms for active, passive, and active/passive combined MASW surveys to produce

- shear-wave velocity (Vs) profiles (1-D, 2-D, and depth slice)
- back scattering analysis (BSA) for anomaly detection
- common-offset sections for quick evaluation of subsurface conditions
- modeling MASW seismic records and dispersion curves

ParkSEIS© (PS) has been used to process data sets from hundreds of different sites and available for purchase and lease. Visit parkseismic.com or contact parkeis@parkseismic.com.
ParkSEIS® (PS) for S-Wave Velocity (Vs) Profiling

ParkSEIS® (PS) generates shear-wave velocity (Vs) profiles through a few steps of data analysis by using seismic data from MASW (and refraction) surveys. It can generate

- an average 1-D (depth) shear-wave velocity (Vs) profile from a small number of (for example, 3-10) field records,
- a 2-D Vs cross section from many (for example, 10-1000) field records,
- Vs profiles by using field records collected not only from MASW but also from refraction surveys, and
- shear and Young’s modulus cross sections from the analyzed Vs cross section.

ParkSEIS® (PS) has been rigorously tested by processing data sets from hundreds of different sites under Windows XP, Vista, 7, and 8 operating systems with a minimum 1GB memory. It is available for purchase and lease. Visit www.parkseismic.com for more information or contact parkseis@parkseismic.com.