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Dr. Shengji WEI studied earthquakes sources with seismic waveform and other geodetic observations, including SAR, InSAR and GPS, as a graduate student at University of Science and Technology of China. His career followed by a postdoc period at the Seismological Laboratory of California Institute of Technology, where he expanded his research interest to include strong ground motion simulation of large earthquakes and high-frequency waveform modeling. As a faculty at Asian School of Environment and principle investigator at Earth Observatory of Singapore, Nanyang Technological University, his current studies are focused on real-time seismology, large earthquake finite fault modeling, waveform modeling of earthquakes and velocity structures, and unveiling their relations with earthquake physics and tectonics.