
MICHAEL LAMOUREUX, University of Calgary

Inverse problems in seismic imaging

Mathematics has a long history of impact on the problem of seismic imaging, starting as far back as the early 1800's with the foundations of wave theory, acoustics, and of course the Fourier transform. This talk will present some of this history including early efforts in seismic measurements, tomography and reflection seismology, along with current developments in full waveform inversion and machine learning.