Bio

I am a fourth year PhD student in the department of Energy Resources Engineering. My research focuses on building reliable descriptions of hydrocarbon reservoirs by transcending disciplinary boundaries. My work on seismic imaging algorithms during my Bachelor’s and Master’s degree and the insights I have gleaned with about eight years of studying geosciences have led me to believe in the value of integrating geology, geophysics and reservoir engineering. A major facet of my research encompasses developing workflows and methodologies to build robust earth models by integrating constraints from basin modeling, rock physics and seismic imaging. My research is also aimed at developing stochastic inverse methods by incorporating principles from machine learning and signal processing.

Research & Scholarship

LAB AFFILIATIONS

- Tapan Mukerji, SCRF (9/1/2014)