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Education: MS Geology (1999)
PhD student in Carbonate Petrophysics

Research areas:

My research focuses on rock physics of carbonate rocks. I'm currently in the last phase of my dissertation "Effects of pore structures on velocity and permeability of carbonate rocks". The work incorporates image analysis techniques of different scales and resolutions, from ESEM to macroscopic scanning and ct-scan's. The intension is to capture quantitatively the character of the different pore types in carbonate rocks, in order to relate them to petrophysical properties. Furthermore, I carried out experimental studies on the dynamic elastic moduli of our plugs from BDP, ODPLeg194 and Miocene/Cretaceous reservoir rocks. The goal is to understand the factors effecting velocity deviation as well as saturation, pressure and frequency effects on velocity.
