



Department of Mathematics
Society for Industrial and Applied Mathematics (SIAM)
UH Student Chapter

The Wonderful World of Geophysics

Dr. James Trousdale
Seismic Imager
CGGVeritas

Friday, Dec. 12, 2014

3-4 pm
PGH 646

Abstract

In my talk, I will first provide a brief introduction to CGG, as well as a practical overview of geophysics, seismic acquisition, and processing. This will include a discussion of how oil is formed, what we look for when deciding where to drill, reflection seismology, and typical steps of the processing "flow". Following this, I'll briefly touch on a couple of crucial, advanced topics: velocity model building/inversion and seismic data migration. To conclude, I'll talk a little bit about what it's like to work in industry (and at CGG in particular). My hope for the talk is to demystify the job of a geophysicist working in industry as well as to convey the excellent career opportunities available at CGG.

Pizza will be served 15 minutes prior to the seminar
More info at www.math.uh.edu/uhsiam