



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

**An Introduction to Seismic Acquisition and the Application
of Phase Encoding in Vibroseis**

Peter Maxwell and Olivier Winter
CGG North America

Friday, April 26, 2013
2-3 pm
SEC 104

Topics to include an introduction to seismic land acquisition, dynamite and vibroseis (vibrator trucks) sources, followed by phase encoding and matrix-based solutions for simultaneous sweeping to increase vibroseis productivity.

The speakers will discuss Internship opportunities at CGG.

Peter Maxwell is Research and Development Manager for CGG North America Land Acquisition. He holds a BSc in Physics with Geophysics and has worked in the industry for over 35 years in a variety of fields: wire-line logging, underground seismic in mining, instrumentation and finally with CGG, since 2005.

Olivier Winter is a Senior Geophysical Researcher with CGG North America Land Acquisition. He holds an MSc in Geophysics and has been with CGG since leaving university in 2005. Olivier specializes in the research and application of techniques to improve acquisition efficiency and productivity.

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