Wednesday, September 3  
Conference Room  
Time: 1:00 p.m.  
Place: Jeffery 521  
Ph.D. Student: Charlotte Haley  
Title: Nonparametric and Parametric methods for Solar Oscillation Spectra  
Supervisor: D. Thomson

Friday, September 5  
Special Seminar  
Time: 2:30 p.m.  
Place: Jeffery 234  
Speaker: Frank Vernon, UC San Diego  
Title: Observation from the Field – From San Jacinto Fault Zone Experiment to USArray  
Abstract Attached

Items for the Info Sheet should reach Anne (burnsa@mast.queensu.ca) by noon on Monday. The Info Sheet is published every Tuesday.

Friday, September 5, 2:30 p.m. Jeffery 234  
Special Seminar  
Speaker: Frank Vernon  
Title: Observations from the Field – From San Jacinto Fault Zone Experiment to USArray

Abstract: Seismology is based on the analysis of time series acquired from sensitive instruments designed to record signals from earthquakes or man made explosions. As instruments have improved, we now have the capability to record continuous time series in near real time over frequencies which span Earth’s normal modes (∼ 1 mHz to > 5 mHz) through near field source measurements (> 100 Hz). We also have the capability to record data from Earth noise through near field observations of Mw = 9 earthquakes, a dynamic range of > 220 dB. Along with the advances in instrumentation, we are beginning to make observations of spatially unaliased wavefields by deploying large numbers of instruments. Recent observations from local field experiments out to global networks are leading to new insights on how seismic waves propagate, on ways to invert for seismic structure, and on observations of what used to be noise that can now be turned into signals. Results will be presented from field experiments in southern California, USArray, and the Global Seismic Network.