

1086-15-1911      **Michael F Minner\*** ([mfm74@drexel.edu](mailto:mfm74@drexel.edu)), Drexel University Department of Mathematics,  
Korman Center Room 206, 15 S 33rd Street, Philadelphia, PA 19104. *Sparse Signal Recovery and  
Remote Sensing.*

The purpose of remote sensing is to acquire information about an object through the propagation of electromagnetic waves, specifically radio waves for radar systems. These systems are constrained by the Nyquist sampling rate required to guarantee efficient recovery of the signal. Recent advancements of Compressive Sensing offer a means of efficiently recovering such signals with fewer measurements. In this talk, we will present several key concepts of Compressive Sensing and highlight its applicability to radar. (Received September 24, 2012)