



## HAO Colloquium Series

(Refreshments served)

***Speaker:*** Craig DeForest, SwRI

***Time:*** 3:00–4:00 pm

***Date:*** Thursday, August 25, 2011

***Location:*** CG1, Room 2126

***Title:*** Imaging the solar wind with stereo/HI-2

***Abstract:***

Over the past year, we have developed new image processing techniques to extract photometric Thomson-scattering intensities from the STEREO-HI2 heliospheric images; this is challenging because the Thomson scattering signal is three orders of magnitude fainter than the background. The newly processed images reveal many interesting features of the solar wind and the transients within it. I will describe the techniques we use to extract the images, discuss comparison with the "ground truth" of in situ imaging, and present a smorgasbord of early results (many of which are still in development for publication) on CME propagation, CIR structure, and solar wind turbulence.