Physics & Space Sciences department presents:

NASA's Kepler Telescope Strikes Exoplanetary Gold: Systems with Multiple Transiting Planets

Planets that "transit" or cross in front of their parent star are extremely valuable for studying planets be yond our own solar system, called exoplanets. By simultaneously observing over 160000 stars almost continuously for 3.5 years, the Kepler Space Tele-scope has discovered 2700+ transiting exoplanet candidates, as of January 2013. One of the most exciting new results are 1000+ planet candidates around stars with more than one transiting planet. These "multi-transiting systems" are the most information -rich planetary systems outside our solar system and have already begun to trans-form our understanding of the formation and evolution of planetary systems. I will review Kepler's most recent results on multi-transiting systems, focusing on their dy-namical architectures and frequencies, which has been the focus of my research. I will also identify the exciting prospects for future analyses of the fantastic Kepler data.

Wednesday, February 6, 2013

4:00—5:00 PM

OPS Room 140

Dr. Darin Ragozzine

University of Florida

Students: Come meet Dr. Ragozzine Wednesday from 3:00 – 4:00 pm in Room 140.