

SAN DIEGO STATE UNIVERSITY DEPARTMENT OF PHYSICS AND DEPARTMENT OF  
ASTRONOMY COLLOQUIUM

Speaker: Dr. Veselin Kostov, University of Toronto

Topic: Circumbinary Planets -- Discovery and Characterization

Time: 2:00 PM, Wednesday, January 14, 2015

Place: Room 215, Physics-Astronomy Building (PA-215)

Abstract:

Planets with two suns have long fascinated our imagination yet it was only recently that we were able to provide direct evidence of their existence. It was not until 2011 and the launch of NASA's Kepler mission that circumbinary planets were unambiguously detected, for the first time, through their transits. I will review the current status of the field, then focus on transiting circumbinary planets. I will describe the detection methods and analysis tools required for their characterization, discuss the theoretical implications of their discoveries, and touch on my contribution to the field.