

Colloquium

Department of Physics, Temple University

Sniffing Alien Atmospheres: Exoplanet spectrophotometry (from ground-, airborne- and space-based observatories)

Daniel Angerhausen

*NASA - Goddard Space Flight Center
Exoplanets and Stellar Astrophysics Lab*

Abstract

In my presentation I will give a short introduction to the science of extrasolar planets, in particular the technique of transit, eclipse and phase curve spectro-photometry. I will describe my various projects in this emerging field using state of the art spectroscopic and photometric instruments on the largest ground based telescopes, the 'flying telescope' SOFIA (Stratospheric Observatory for Infrared Astronomy) and the Kepler and Hubble space telescopes.

Monday, October 10, 2016 at 3:00pm
SERC, Room 116
Refreshments served at 2:45pm