

PHYSICS AND ASTRONOMY COLLOQUIUM

Hakeem Oluseyi, Ph.D. Florida Institute of Technology

Time-Domain Informatics in the Era of Large Astronomical Surveys

Current and upcoming large surveys for studying dark energy and the Lambda-CDM paradigm, such as the Dark Energy Survey (DES) and the Large Synoptic Survey Telescope (LSST), will require reliable identification, classification and analyses of large numbers of transient and variable sources. One subset of these efforts are the near-field cosmology studies that map the distributions of Galactic stars in spatial-kinematic-metallicity-age space to test models of Galactic assembly and evolution. This talk will describe our work on developing new astroinformatics techniques for taking advantage of the chromo-temporal data that will be available from the LSST and our current work with data from Kepler and LINEAR surveys.



THURSDAY, FEBRUARY 28, 2013 | 4:00 PM | HAWKING AUDITORIUM



PHYSICS & ASTRONOMY
TEXAS A&M UNIVERSITY