

Spring 2019 Colloquium

Department of Physics & Astronomy, TAMU-Commerce

Feb 28, Thursday, 4-5 PM in Science Building 127

(coffee and cookies will be served at 3:50 PM)

Astrophysics

MICHI: A Thermal-IR Instrument for the TMT

Dr. Chris Packham

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Dr. Packham earned BSc (1992) and in Physics at the University of Hertfordshire (UK), and a Ph.D. degree (1997) in Physics at the University of Hertfordshire (UK). His Ph.D. research topic was on active galactic nuclei. He worked as a post-doc at the Isaac Newton Group of Telescopes on galaxies and IR instrumentation. In 2001, Dr. Packham began his appointment as an assistant professor at Florida University, and in 2013 he moved to University of Texas at San Antonio where he is currently doing research in astrophysics. More information about Dr. Packham and his research can be found at

<https://www.utsa.edu/physics/faculty/ChrisPackham.html>

Abstract

To enable exoplanet, protoplanetary disk, AGN, follow-up JWST observations, and continuation of work started on 8m's, we continue to plan the science cases and instrument design for a TIR imager and spectrometer for early operation on the TMT. I present the current status of our science cases and the instrumentation plans, harnessing expertise across the TMT partnership. This instrument will be proposed by the MICHI team as a second-generation instrument. I particularly focus on AGN studies.