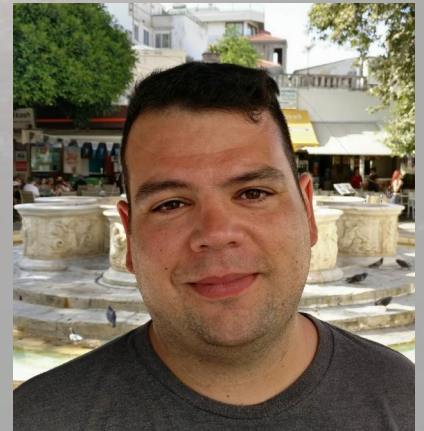


2022—2023 ASTROPHYSICS SEMINAR SERIES

Understanding Supermassive Black Holes Through Multiwavelength Polarization

Supermassive black holes form the most intriguing astrophysical systems offering countless opportunities to study fundamental physics in regimes not accessible to laboratories on Earth. Their multimessenger emission manifests in the formation of accretion disks, jets, and the acceleration of extremely energetic particles all of which are still poorly understood. Multiwavelength polarization can provide answers to long standing black hole physics questions. However, until recently, the instruments and surveys necessary for such a task were missing. I will discuss recent efforts to understand tidal disruption events and blazar jets through polarized "eyes" across the electromagnetic spectrum.

**Monday, October 31st**

3:30 - 4:30 p.m.

725 Commonwealth Ave | Room 502

Yannis Liodakis

Finnish Centre for Astronomy