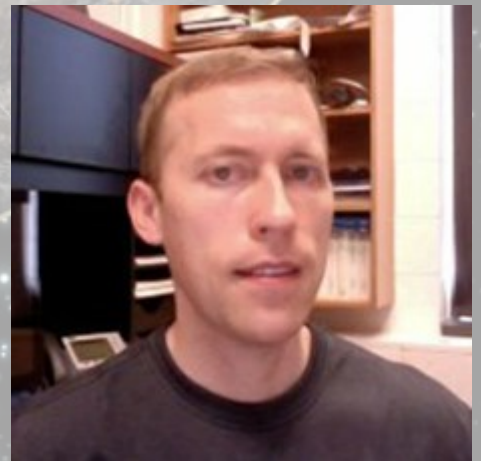


2019—2020 ASTROPHYSICS SEMINAR SERIES

## Implications of Gaia for Nearby Star-forming Regions and Young Associations

The high-precision parallaxes and proper motions from the Gaia mission have made it possible to greatly improve the census of members of nearby clusters and associations, and thereby improve constraints on their IMFs, star-forming histories, and circumstellar disk fractions. I will illustrate analysis of this kind with the Taurus star-forming region ( $\sim 1$ - $3$  Myr) and the Sco-Cen OB association ( $10$ - $20$  Myr).

**Monday, February 3rd**

3:30 - 4:30 p.m.

725 Commonwealth Ave | Room 502

**Kevin Luhman**

Penn State University