



**ASTROPHYSICS
SEMINAR SERIES**

"The Search for Young Planets"

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Monday, December 2, 2013

Refreshments at 3:15pm in CAS 500

Talk begins at 3:30pm in CAS 502

Abstract:

Our understanding of planet formation is limited by both the poorly constrained ages of young stars and by the dearth of known planets orbiting them. I'll present results from two observation programs that directly address these. The first uses Georgia State's CHARA Array to measure the angular sizes of young stars, permitting more robust age estimates. The second is a multi-wavelength radial velocity search for young and adolescent age planets. Our discoveries include the first hot Jupiters in the 600 Myr Praesepe and Hyades open clusters.