



**ASTROPHYSICS  
SEMINAR SERIES**

**"Exoplanets with JWST"**

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**Monday, October 7, 2013**  
**Refreshments at 3:15pm in CAS 500**  
**Talk begins at 3:30pm in CAS 502**

**Abstract:**

JWST, NASA's 6.5 meter infrared successor to Hubble, will be capable of making observations of extrasolar planets by a variety of techniques. Among the most promising, transit spectroscopy affords the possibility of determining the composition of atmospheres of planets down below the size of Neptune. I will describe the JWST mission, the technique of transit spectroscopy and how the two will be combined to bring us closer to knowing whether habitable worlds exist around other stars.