

**BOSTON
UNIVERSITY**

**ASTROPHYSICS
SEMINAR SERIES**

**“The James Webb Space Telescope
and Active Galactic Nuclei”**

**Dr. Jane Rigby
NASA Goddard**

**Monday, November 5, 2012
Refreshments at 3:30pm in CAS 500
Talk begins at 4:00pm in CAS 502**

Abstract:

The James Webb Space Telescope (JWST) is a general-purpose, large (6.5 m), cold (<50 K) infrared-optimized space observatory with unprecedented sensitivity as well as advanced spectroscopic capabilities. JWST is being built now toward launch in 2018. All mirrors are finished, two of four science instruments delivered, and integration and test is underway. I'll discuss the role that JWST can play in advancing our understanding of the supermassive black holes (SMBHs) that lurk in the hearts of galaxies, and in particular those minority of nuclear black holes that are actively accreting, termed active galactic nuclei or AGN.