



Baylor University and CASPER present:

**Patrick E. Rodi, Ph.D.**

Lockheed Martin Fellow

***Orion: America's Deep Space Human Exploration Spacecraft***

**Abstract:** The Orion spacecraft is NASA's new manned vehicle for deep space exploration. Orion is being developed to take humans farther than they've ever gone before to deep space destinations such as the Moon, an asteroid and eventually Mars. Designed and built by Lockheed Martin, the Orion program recently evaluated the design on a two orbit flight test called Exploration Flight Test-1 (EFT-1). Launched by a Delta-IV Heavy rocket from Cape Canaveral Air Force Station's Space Launch Complex 37, the flight evaluated the spacecraft's launch, orbital, and high speed re-entry systems such as avionics, flight controls, parachutes, and the heat shield. Dr. Patrick Rodi, LM Fellow and Aerosciences Lead for the Orion program, will discuss the vehicle, the role of the EFT-1 flight test, and the future for the program.

**Friday, January 30, 2015, 2:30 p.m.  
Baylor Sciences Building Room C. 206**

**For more information, contact Sherri Honza at 254-710-1271**