

# ***The Search for Earth-like Planets***

**Presented by Dr. Jan Ludwinski**

**Thursday 1/17/2008**

Most of the over 260 extrasolar planets detected so far are gas giants. The challenge now is to find terrestrial planets (habitable planets like Earth), which are 30 to 600 times less massive than Jupiter. Kepler is NASA's first mission capable of finding Earth-size planets orbiting in the habitable zone of other stars. Results from this mission will allow us to determine whether Earth-sized planets are common or rare. Either result will be profound.



Dr. Jan Ludwinski is Mission Planner for the Kepler Project at JPL.

**More details available on our website, [www.aiaa.av.org](http://www.aiaa.av.org).**

**When:** Thursday, January 17<sup>th</sup> at 6pm  
(6pm Social & Dinner, 7pm Presentation)

**Where:** Casa Jimenez in Lancaster  
(668 West Lancaster Blvd. between Elm Ave and Date Ave.)

**Price:** \$14 per person. Cash or check please.  
(Price includes Mexican buffet, soft drinks, tax, and tip)

**New Special Student Rate! \$10 with a valid student ID**

**Please RSVP to: [aiaa.av@gmail.com](mailto:aiaa.av@gmail.com)**