



## **Cleveland Astronomical Society**

[www.clevelandastronomicalsociety.org](http://www.clevelandastronomicalsociety.org)

### **Thursday, Oct 6, 2011 Meeting Announcement**

6:15—7:00 p.m. – Get acquainted and snacks

7:00—7:45 p.m. – Buffet Dinner (Reservations Required)

7:45—8:00 p.m. – Short Business Meeting

8:00—9:00 p.m. – Featured Speaker (Free to public)

#### **Leonard Krieger CanalWay Center**

4524 East 49<sup>th</sup> Street (turn onto Whittlesey Way to reach Center), Cuyahoga Heights  
(216-206-1000)

#### **Speaker – Jay Reynolds**

Research Astronomer for Cleveland State University and

Director of Lakeland Astronomical Observatory, Lakeland Community College

#### **DAWN, Mission to Visit Asteroids Vesta and Ceres**

Asteroids are among the least-studied objects in our solar system. For 200 hundred years, astronomers have discovered and plotted the orbits of these 4.5-billion-year-old objects. Occasional meteorites give clues to their origin, and space- and ground-based telescopes and fly-by asteroid missions struggle to acquire information. However, an asteroid orbital probe allows an in-depth examination. Launched in 2007, The Dawn Mission Probe is now in orbit around Asteroid Vesta, mapping and photographing for a year a body which is about the size of Ohio. Vesta's evolution has left it dry, with surface features such as basaltic lava flows and a deep crater at its south pole. In July 2012, Dawn will "turn on" its electric ion propulsion, breaking orbit to travel to Dwarf Planet Ceres (formerly known as an asteroid) to make similar observations of a very different world. Jay's presentation will cover discoveries to date, along with recent photographs, some in 3-D.

**High School Teachers** interested in bringing two students, as our guests, please contact Bob Sledz, President, at 440-333-7827 or [isledz@yahoo.com](mailto:isledz@yahoo.com) by the Friday prior to the scheduled meeting date.