

University of Notre Dame  
College of Science  
Department of Physics

## **COLLOQUIUM**

### **New Lessons from New Observations of Neutron Stars**

**Prof. Madappa Prakash**  
*Ohio University*

**Wednesday, December 1, 2010 4:00 p.m. NSH 118**

**(Refreshments at 3:30 p.m. NSH 202)**

Several new observations of neutron stars are beginning to shed light on the composition and structure of the densest form of observable cold matter in our Universe. Examples include the recent report of a two-solar-mass neutron star (PSR J1614-2230) and the rapid cooling of the neutron star in Cassiopeia A. In this talk, implications of these observations for the theoretical models of extreme states of matter will be highlighted.

*Host: Mark Caprio*

**ALL INTERESTED PERSONS ARE CORDIALLY INVITED TO ATTEND**