



SACRAMENTO STATE

Department of Physics & Astronomy Spring 2008

# *Physics Colloquium Series*

## *“Addressing the 9-Body Problem: A Computer Simulation”*

*Mathematicians have had trouble solving the  $n$ -body problem, particularly for  $n > 3$ . Some insight into the  $n$ -body problem can be gained by using a computer program to simulate point masses interacting gravitationally with one another. The intention of this project is firstly to simulate the motion of the sun with its eight attendant planets, and secondly to serve as a teaching aid for beginning physics and astronomy students who are learning about Newton's and Kepler's laws and the planets of our solar system.*

### **Mark Henshaw**

*Sac State Physics Major, Senior Project Presentation*

**Thursday, May 8, 2008**

**4:20-5:30 PM MND 1015**

**Open & Free to all Students, Faculty & Public**