



SACRAMENTO STATE

Department of Physics & Astronomy Fall 2008

# ***Physics Colloquium Series***

## ***"Nuclear Waste Disposal at Yucca Mountain"***

*Yucca Mountain, Nevada, is the site selected for the storage of the nation's high-level nuclear wastes. An extensive research program has been underway for several decades to characterize the fractured tuff formation and to determine the site's suitability to host the repository. The flow of groundwater from the ground surface through the repository to the accessible environment is a key transport mechanism for the release of radionuclides. I will provide a short overview of the Yucca Mountain Project, focusing on the use of numerical simulations of coupled thermal-hydrological-geochemical-mechanical processes in support of site characterization and performance assessment.*

# **Stefan Finsterle**

**Earth Sciences Division, Hydrogeology Department  
Lawrence Berkeley National Laboratory**

**Thursday, October 30, 2008**

**\*4:00-5:20 PM - MND 1015**

**\*Note new times this semester**

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