

Please Post

Speaker: Dr. Giulia Galli (UC Davis)

Title: “Quantum Simulations of Nanostructures”

We illustrate the progress and successes obtained in recent years in predicting fundamental properties of materials at the nanoscale, using *ab-initio*, quantum simulations, in particular first principles molecular dynamics and Quantum Monte Carlo calculations. We also discuss open issues related to the validation of the approximate, first principles theories used in large scale simulations, and the resulting complex interplay between computation and experiment.

Date: Monday, May 22, 2006

Time: 4:10 PM

Place: 55 Roessler

Refreshments – 3:50 p.m., Entrance of Phy/Geo Bldg. (Outdoor breezeway area)
