

# CU Physics Department Colloquium

Monday, October 19, 2009 4:10 PM 428 Pupin Hall

**Peter Young, University of California, Santa Cruz**



## PHASE TRANSITIONS IN SPIN GLASSES

Spin glasses are magnetic systems with disorder and frustration". Ideas from the spin glass field have found applicability in other areas of science such as computer science and biology. They are convenient to study because experimentally they can be probed in fine detail with a magnetic field, and because they can be represented by simple models which are amenable to simulation. This talk will describe results of large-scale Monte Carlo simulations, analyzed by finite size scaling, to investigate what phase transitions can occur in spin glasses.

Hosted by Boris Altshuler - Meet the Speaker at 1:30 PM in 705 Pupin

