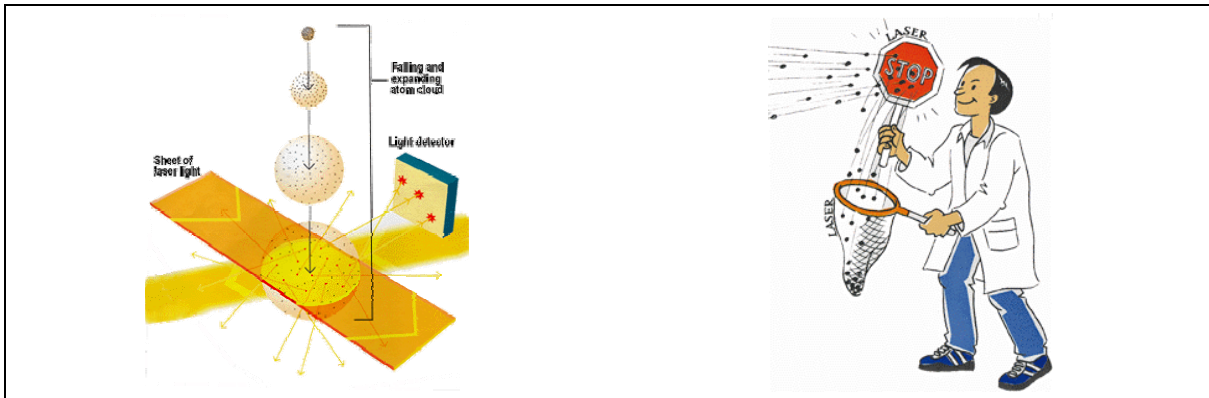


Physics Seminar

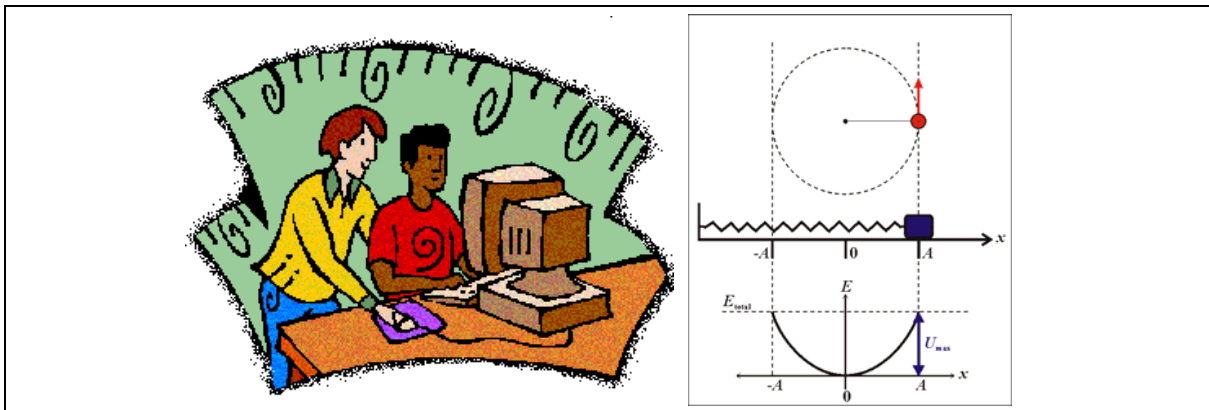
Wednesday 2/28/2007, 4:30pm
Willet Science Center 101

Douglas Young
Department of Physics
Mercer University

Laser Cooling of Atoms



& Use of Animations in Teaching Physics



This talk will examine two disparate topics. The first half will summarize the 1997 Nobel Prize speech of William D. Phillips for his work on laser cooling and trapping of neutral atoms. Particular attention will be placed on explaining the role of the Doppler and Zeeman effects in laser cooling. The second half will present recent research results on the use of computer animations and simulations in teaching physics. A major focus of this portion of the talk will be on discussing where animations are, and are not, useful in teaching introductory physics as suggested by physics education research.

Please join us for light refreshments at 4:15pm outside WSC 109.