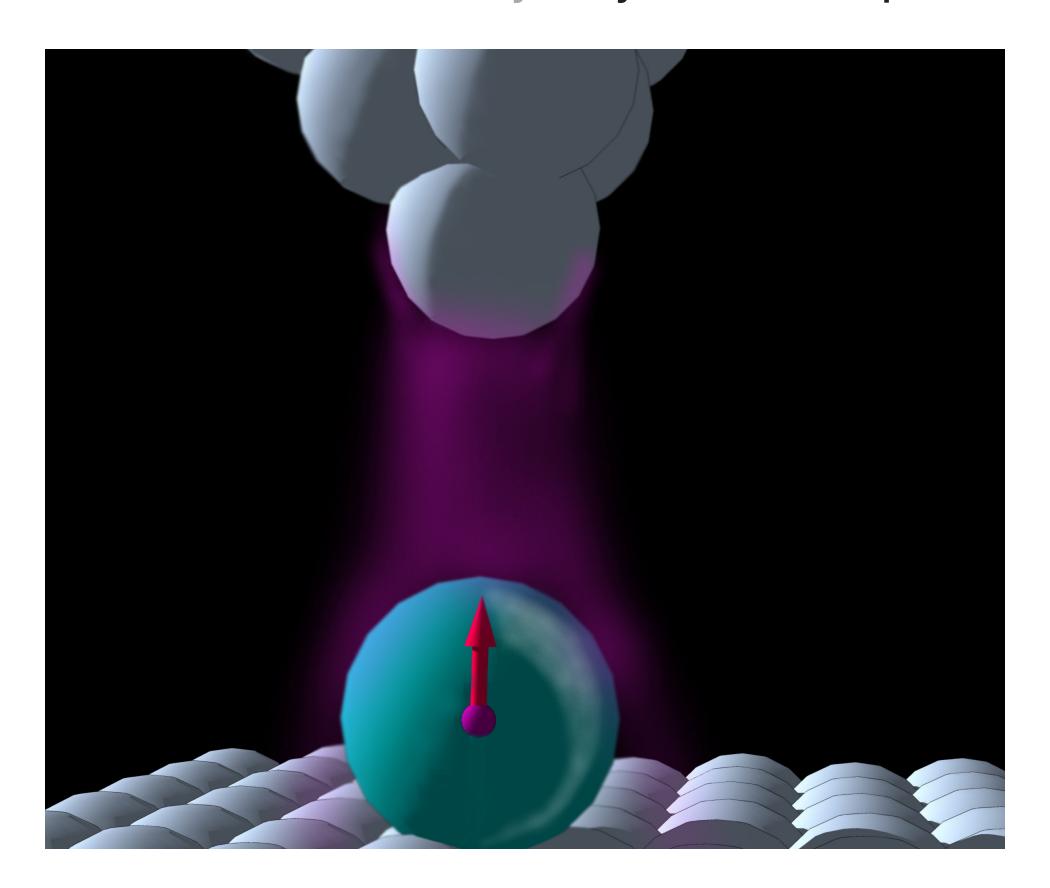
Boston University Physics Colloquium



The Quest for Spin Cascade Logic Circuits

Can we design, build and operate nanometer-scale logic circuits that perform conventional binary computation using only the spin degree of freedom? I will review progress towards this goal, highlighting the development of spin excitation spectroscopy to measure g-values, exchange energies, anisotropy energies and spin configurations of assemblies of magnetic atoms on surfaces.

Don Eigler

IBM Fellow, IBM Almaden Research Center

March 18, 2008 (Tuesday) at 3:30pm (Refreshments at 3:15pm) SCI 107, Metcalf Science Center, Boston University

Call: Winna Somers (wsomers@bu.edu) (617) 353-9320

Host: William Klein