

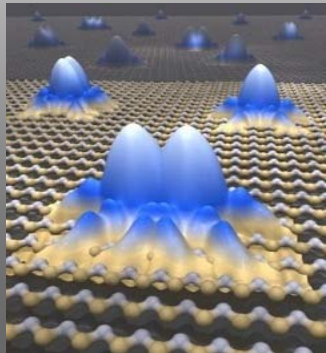
CU Physics Department Colloquium

Monday, May 4, 2009 4:10 PM 428 Pupin Hall



Visualizing Pair Formation on the Nanometer Scale and the Riddle

Electron pairing underlies the formation of a superconducting state. The mechanism of pairing and the temperature at which pairs first form in high-temperature copper-oxide superconductors have been debated for the last twenty years. Do pairs form at the critical temperature like conventional superconductors? What binds the electrons together? I will describe how we experimentally visualize the process of pair formation and probe what controls the strength of pairing in cuprates on the atomic scale.



Ali Yazdani, Princeton University

Meet the Speaker at 3:30 PM in 705 Pupin Hall

