

Postdoctoral Position at UC Berkeley

An NSF-funded postdoctoral position to study human visual perception is available at the University of California, Berkeley. There are two main goals: a) better understanding of perceptual effects due to reflections, scattering, and occlusions (e.g., determining surface material, depth ordering) and b) using that better understanding to develop techniques for distinguishing fake from real imagery. Candidates should have programming experience with Matlab and/or Python, with graphics libraries, and be able to assist in conducting experiments with human subjects. The project is supervised by Martin Banks, Professor of Vision Science at Berkeley and Hany Farid, Professor of Computer Science at Dartmouth.

Much of the work will be conducted on a unique volumetric display that allows the presentation of correct focus cues (i.e., blur and accommodation) along with the conventional cues of perspective, binocular disparity, shading, etc.

The position is funded for two years with possible extension beyond that. Please contact Martin Banks (martybanks@berkeley.edu) or Hany Farid (farid@cs.dartmouth.edu).