

The Deshpande group has openings for 3 graduate students starting any time (Spring, Summer or Fall) in 2014. We are a new group working in the area of atomically-thin materials (such as graphene, chalcogenides, topological insulators) and their heterostructures.

Research in the group will explore novel physical phenomena arising in these materials due to quantum confinement, electronic correlations, topological order or engineer such phenomena through proximity and strain. Applications of these materials and phenomena will be pursued in collaboration with engineering groups. Projects will typically include synthesis (using mechanical exfoliation, chemical vapor deposition, precision transfer), nanofabrication, low-temperature electrical transport and development of hybrid measurement tools using high frequency electrical and optical techniques and mechanical degrees of freedom.

Interested students should contact Prof. Vikram Deshpande at vdesh@physics.utah.edu