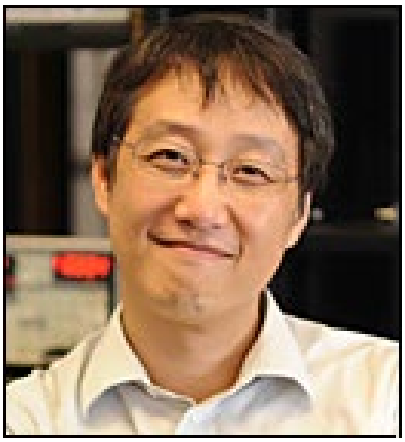
Department of Physics Colloquium



Philip Kim

Harvard

Materials in 2-dimension and beyond

10 years after graphene

The recent advent of atomically thin 2-dimensional materials such as graphene, hexa boronitride, layered transition metal chalcogenide and many strongly correlated materials, has provide a new opportunity of studying novel quantum phenomena in low dimensional systems. In particular, graphene has been provided us opportunities to explore exotic transport effect in low-energy condensed matter systems. Moreover, combination of different layered constituents may produce heterogeneous and functional materials. In this lecture, we will discuss novel electron transport phenomena across the heterointerfaces in atomically controlled van der Waals quantum heterostructures.

WISCONSIN

Friday, September 25, 2015

3:30 pm | 2241 Chamberlin Hall

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