



Seminar

## K-Theory, Quadratic Forms and Number Theory

**Title:** Potential automorphy and applications

**Speaker:** Dr. David Geraghty (IAS and Princeton)

**Date:** Thu 2nd February 2012 at 4:00PM

**Location:** Mathematical Sciences Seminar Room (Ag 1.01)

**Abstract:** I will discuss recent work on potential automorphy of Galois representations. These results imply the meromorphic continuation of various L-functions. The connection with Sato-Tate conjectures will also be discussed. This is joint work with Tom Barnet-Lamb, Toby Gee and Richard Taylor.