



Seminar

## K-Theory, Quadratic Forms and Number Theory

**Title:** Spectacle cycles and modular forms

**Speaker:** Dr. Jens Funke (Durham)

**Date:** Wed 9th February 2011 at 3:00PM

**Location:** Mathematical Sciences Seminar Room

**Abstract:** The classical Shintani lift is the adjoint of the Shimura correspondence. It realizes periods of even weight cusp forms as Fourier coefficients of a half-integral modular form. In this talk we revisit the Shintani lift from (co)homological perspective. In particular, we extend the lift to Eisenstein series and give a geometric interpretation of this extension. This is joint work with John Millson.