# K-Theory, Quadratic Forms and Number Theory Seminar

**Title:**     Lattice sums and Mahler measure

**Speaker:**  Dr. Mat Rogers (UIUC and Bonn)

**Date:**     Wed 1st April 2009 at 4:00PM

**Location:** Mathematical Sciences Seminar Room

**Abstract:** I will discuss a variety of proven and unproven formulas relating the special values of L-series of elliptic curves to Mahler measures of polynomials. Many of these results arise as special cases of more general relations between hypergeometric functions and lattice sums.