K-Theory, Quadratic Forms and Number Theory Seminar

Title: Explicit Honda-Tate Theorem for supersingular Abelian varieties Upto Dimension 7.

Speaker: Vijaykumar Singh (UCD)

Date: Wed 10th November 2010 at 3:00PM

Location: Mathematical Sciences Seminar Room

Abstract: Honda-Tate theorem asserts the bijection between simple abelian varieties (upto isogeny) over finite fields of size q and Weil –q–numbers (upto conjugacy). We shall explicitly construct this Weil –q– numbers for supersingular abelian varieties.