



Seminar

## K-Theory, Quadratic Forms and Number Theory

**Title:** Realization of Nilpotent Groups with Restricted Ramification over Number Fields

**Speaker:** Dr Nadya Markin (Claude Shannon Institute, UCD)

**Date:** Wed 28th February 2007 at 5:00PM

**Location:** Mathematical Sciences Seminar Room

**Abstract:** For a fixed number field  $K$  and a finite group  $G$ , let  $Ram_K(G)$  be the minimum number of primes ramified in  $L$ , as  $L$  runs over extensions of  $K$  with Galois group  $G$ . We obtain an upper bound for  $Ram_K(G)$  in case when  $G$  is a nilpotent group.