K-Theory, Quadratic Forms and Number Theory Seminar

Professor Peter Schneider (Universitat Muenster)

will speak on

Introduction to noncommutative Iwasawa theory

Fri 2nd February 2007 at 4:00PM

Location: Mathematical Sciences Seminar Room

I will begin by briefly reviewing the K–theoretic foundation of classical Iwasawa theory. Non–commutative Iwasawa theory deals with the behaviour of arithmetic invariants in infinite Galois extension of number fields whose Galois group is a (typically noncommutative) p–adic Lie group G. This leads to a study of the K–theory of the completed group ring of G. I will describe the basic problems which one encounters and will discuss some solutions.

This talk is part of the **K-Theory, Quadratic Forms and Number Theory** series. For more, see
`https://maths.ucd.ie/seminars`