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K-Theory, Quadratic Forms and Number Theory Seminar

Professor Peter Schneider (Universität 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>