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K-Theory, Quadratic Forms and Number Theory Seminar

Dr Kevin Hutchinson (UCD)

will speak on

An introduction to Milnor-Witt K-theory

Wed 2nd May 2007 at 4:00PM

Location: Mathematical Sciences Seminar Room

This is primarily an expository talk on the work of Fabien Morel. Milnor-Witt K-theory arises as a graded algebra of homomorphisms - or cohomology operations - in the ' A^1 - homotopy category'. *The Milnor-Witt K-theory of a field has a particularly elegant presentation, due to Morel and M. Hu, and to the power of the fundamental ideal in the Witt Ring of the field. I will discuss the relation to Milnor conjecture.*

Time permitting, I will discuss ongoing work with L. Tao on the relation to the homology of special linear groups.

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