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**Scoil na
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K-Theory, Quadratic Forms and Number Theory Seminar

Dr. David Brink (UCD)

will speak on

Simultaneous representation of primes by quadratic forms

Wed 16th September 2009 at 3:00PM

Location: Mathematical Sciences Seminar Room

It is well known that primes of the form $x^2 + ny^2$ are describable by congruence conditions if and only if n is one of Euler's numbers $32y^2$ and $x^2 + 64y^2$. Using class field theory, we derive five similar theorems and show that there are no others. If time permits...

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