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

Dr Jose J. Ramon Mari

will speak on

On the Lefschetz Standard Conjecture

Wed 14th February 2007 at 5:00PM

Location: Mathematical Sciences Seminar Room

The subject of the talk will be Grothendieck's Lefschetz standard conjecture $B(X)$, which says that a certain operator, Λ , on the cohomology of the smooth projective variety X is algebraic. Our main result is that if X has dimension n , and if $B(Y)$ holds for all smooth projective varieties Y of dimension $n-1$ over the field $k(t)$, then $\Lambda - p$ is algebraic, where p is the restriction of Λ to a certain small subspace of cohomology.

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