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## K-Theory, Quadratic Forms and Number Theory Seminar

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**Dr. Anne Cortella (Besancon)**

will speak on

**Morita theory for sesquilinear forms**

Wed 9th January 2008 at 4:00PM

Location: Mathematical Sciences Seminar Room

Let  $A$  be an algebra and  $\sigma$  an anti-automorphism on  $A$  (i.e. such that  $\sigma$  preserves the sum and inverts the order in products). We can then define sesquilinear forms on an  $A$ -module (on the right) as usual. We will see a definition of a Morita equivalence between two algebras with anti-automorphism and prove that this gives an equivalence of categories of sesquilinear forms.

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