



Seminar

## K-Theory, Quadratic Forms and Number Theory

**Title:** Signatures of hermitian forms

**Speaker:** Dr. Thomas Unger (UCD)

**Date:** Wed 22nd September 2010 at 4:00PM

**Location:** Mathematical Sciences Seminar Room

**Abstract:** Let  $F$  be a formally real field,  $A$  a central simple  $F$ -algebra and  $\sigma$  an  $F$ -linear involution on  $A$ . I will describe how to compute signatures of hermitian forms defined over  $(A, \sigma)$  with respect to orderings on  $F$  and address a gap in the literature. This is joint work with Vincent Astier.