# Algebra and Number Theory Seminar

**Title:**     Finite simple semirings

**Speaker:**   Andreas Kendziorra (University College Dublin, Claude Shannon Institute)

**Date:**      Mon 19th September 2011 at 4:00PM

**Location:**  Mathematical Sciences Seminar Room

**Abstract:** Abstract: Chris Monico showed in 2004 that for a classification of all finite simple semirings, it will be sufficient to classify all finite simple additively idempotent semirings. In this talk, we try to characterize every finite simple additively idempotent semiring as a semiring of join-morphisms of a semilattice. We succeed in doing this for a large class of semirings, however some very specific structures are not covered by our approach. These will also be discussed in the talk.