



## Analysis Seminar

**Title:** TROs and Morita equivalence

**Speaker:** R. Timoney

**Date:** Tue 24th October 2017 at 4:00PM

**Location:** SCN 125

**Abstract:** It is possible to recast the theory of Morita equivalence in terms of the elementary theory of Ternary Rings of Operators (TROs). In particular the Morita correspondence between primitive ideals follows by extending irreducible representations from the right  $C^*$ -algebra to the linking  $C^*$ -algebra. The celebrated Brown-Green-Reiffel theorem characterising Morita equivalence as stable isomorphism in the separable case follows by using a Lemma of Brown to show that separable stable TROs are TRO isomorphic to  $C^*$ -algebras.