

IMIA Operator Algebra and Noncommutative Geometry Seminar
University of Wollongong

Title: The KMS-states of the Toeplitz C^* -algebras of compact topological graphs.

Speaker: Mitch Hawkins (University of Wollongong)

Time and Date: 3:30pm Thursday, 16 October 2014

Location: Room 39C.meeting room

Abstract: Associated to a topological graph is a Hilbert bimodule, which gives rise to both a Toeplitz and Cuntz-Pimsner algebra. Both of these algebras carry natural gauge actions, which give rise to KMS-states in a very natural way. We investigate the KMS states of the Toeplitz algebras associated to compact topological graphs, with the intention of applying this theory to the class of noncommutative solenoids, introduced by Latremoliere and Packer.