

IMIA Operator Algebra and Noncommutative Geometry Seminar
University of Wollongong

Title: The factor-types of KMS states on C^* -algebras of strongly connected k-graphs

Speaker: Aidan Sims (University of Wollongong)

Time and Date: 3:30pm Thursday, 25 September 2014

Location: Room 39C.meeting room

Abstract: In recent work, Astrid, Marcelo, Iain and I computed all the KMS states on the C^* -algebras of strongly connected finite k-graphs. General theory says that the GNS representations of the extreme points of the KMS simplex at a given temperature complete to von Neumann factors. Ill discuss joint work with Marcelo Laca, Sergey Neshveyev, Nadia Larsen and Sam Webster in which we compute the von Neumann types of these factors, and try to summarize what we discovered.