

IMIA Operator Algebra Seminar
University of Wollongong

Title: KMS states on graph algebras

Speaker: Aidan Sims (University of Wollongong)

Time and Dates: 3:30pm Thursday, 12 April 2012

Location: Room 8.G25

Abstract: There is by now quite a bit of heavy-duty machinery available for computing KMS states for the gauge action on a graph C^* -algebra: in particular, Exel and Laca's analysis of KMS states on C^* -algebras of possibly-infinite 0-1 matrices, Laca and Neshveyev's description of KMS states on Cuntz-Pimsner algebras, and Neshveyev's computation of KMS states for groupoid algebras. Nevertheless, a direct approach gives very clean, crisp results and sheds some light on these machines. I will discuss a direct computation of the KMS states on the C^* -algebra of a finite graph. This is joint work with Astrid an Huef, Marcelo Laca and Iain Raeburn.