IMIA Operator Algebra Seminar
University of Wollongong

Title: Simple groupoid C*-algebras

Speaker: Aidan Sims (University of Wollongong)

Time and Dates: 3:30pm Thursday, 5 April 2012

Location: Room 8.G25

Abstract: It has been known since Renault's thesis in 1980 that if a groupoid is amenable, minimal and topologically principal, then its C*-algebra is simple. The converse of this result has been proved recently for some special cases such as groupoids of k-graphs and transformation groupoids, but it is an open question in general. In this talk I will outline a surprisingly elementary proof that the converse holds for all second-countable etale groupoids and present an example which suggests that the converse fails if G is not second countable. This is joint work with Jonathan Brown, Lisa Orloff Clark and Cindy Farthing.