IMIA Operator Algebra and Noncommutative Geometry Seminar
University of Wollongong

Title: Nuclear dimension of UCT Kirchberg algebras

Speaker: Aidan Sims (University of Wollongong)

Time and Date: 3:30pm Thursday, 18 September 2014

Location: Room 39C.meeting room

Abstract: When Winter and Zacharias first defined nuclear dimension for C*-algebras, they proved that Kirchberg algebras in the UCT class all have dimension at most 5. They asked whether the exact value of the dimension depended structural features of their K-groups. Ill try to explain why the answer is no: every UCT Kirchberg algebra has nuclear dimension 1. This is joint work with Efren Ruiz and Adam Sørensen.