

SMAS Operator Algebra and Noncommutative Geometry Seminar
University of Wollongong

Title: K-theory and the Pimsner-Voiculescu 6-term exact sequence

Speaker: Adam Sierakowski (University of Wollongong)

Time and Date: 3:30pm Thursday, 13 February 2014

Location: Room 39C.meeting room

Abstract: It was shown by Rordam and me that a countable group G admits an action on a compact space such that the crossed product is a Kirchberg algebra if, and only if, G is exact and non-amenable. This construction allows a certain amount of choice. I will discuss how different choices can lead to different algebras, at least with the free group. This is done using K-theory, and is a part of my joint work with Elliott.

Title: Introduction to partial crossed products

Speaker: Adam Sierakowski (University of Wollongong)

Time and Date: 3:30pm Thursday, 20 February 2014

Location: Room 39C.meeting room

Abstract: In this talk I will introduce partial crossed products, give examples, go through some classical results by Exel, Laca and Quigg and mention a few of the recent results on partial crossed products from my joint work with Giordano.