

**IMIA Operator Algebra and Noncommutative Geometry Seminar**  
University of Wollongong

Title: Fractal substitution tilings

Speaker: Michael Whittaker (University of Wollongong)

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

Location: Room 39C.meeting room

Abstract: Starting with a substitution tiling, we demonstrate a method for constructing infinitely many new substitution tilings. Each of these new tilings is derived from a graph iterated function system and the tiles typically have fractal boundary. There are several nice applications of our results and I will touch on a couple. This is joint work with Natalie Priebe Frank and Sam Webster.