

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

Title: Cuntz algebras and fusion categories

Speaker: Pinhas Grossman (University of New South Wales)

Time and Date: 3:30pm Thursday, 27 February 2014

Location: Room 39C.meeting room

Abstract: Fusion categories are finite tensor categories which share many properties with the categories of finite-dimensional representations of finite groups. In addition to finite groups, there are interesting examples coming from quantum groups and from von Neumann algebras.

In this talk we will describe a technique, due to Izumi, of constructing fusion categories from endomorphisms of the Cuntz  $C^*$ -algebras. We will then discuss some examples.