

IMIA Operator Algebra Seminar
University of Wollongong

Title: On Graphs of Groups and the Bass-Serre Structure Theorem

Speaker: Adam Humphreys and Alex Munday (University of Wollongong)

Time and Dates: 3:30pm Thursday, 16 February 2012

Location: Room 15.113 (Access Grid Room)

Abstract: We discuss some aspects of geometric group theory, including graphs of groups, their fundamental groups, and their universal covering trees. We will discuss the Bass-Serre Structure Theorem, which relates graphs of groups to actions of groups on trees, and we will analyse a number of examples involving free products of groups, amalgamated products of groups, and HNN extensions. This talk is suitable to anyone with a basic mathematical background.