

**IMIA Operator Algebra Seminar**  
University of Wollongong

Title: Unbounded Operators

Speaker: Alexander Gerhardt-Bourke (University of Wollongong)

Time and Dates: 3:30pm Thursday, 23 February 2012

Location: Room 15.113 (Access grid room)

Abstract: In this talk, I will give an introduction into unbounded operators and some unbounded operator theory. I will then give a sufficient condition to show that an unbounded operator is essentially self-adjoint, and explain what this means. If there is time, I will introduce Differential operators as a form of unbounded operators and discuss some interesting theory.