

**IMIA Operator Algebra Seminar**  
University of Wollongong

Title: Functional definitions of the Lorentzian distance.

Speaker: Adam Rennie (University of Wollongong)

Time and Dates: 3:30pm Thursday, 4 October 2012

Location: Room 15.113 (Access grid room)

Abstract: This talk will provide a description of the Lorentzian distance function. The Lorentzian distance measures "time-like distance" between causally related points in space-time, and is zero for non-causally related points. Our description of this Lorentzian distance is consistent with Connes' formula for the metric in the Riemannian manifold case.

This is joint work with Ben Whale (University of Otago).