Analysis Seminar

Monday, April 10, 2017

15:00-16:00 – Room 646 PGH

Speaker: Scott LaLonde (University of Texas at Tyler)

Title: A brief overview of groupoid C*-algebras

Abstract: In this talk we will outline the construction of the full and reduced C^*-algebras of a locally compact Hausdorff groupoid, and we will present some important classes of examples. We will also examine ways in which properties of the groupoid are reflected in the structure of its C^*-algebras. The role of amenability and exactness will be discussed, and there will particular emphasis on the structural components of groupoids that have been crucial in proving many of the recent results in the field. If time permits, we may also discuss twisted groupoid C^*-algebras and other related constructions.