Analysis Seminar

Title: A descriptive set-theoretic view of classification problems in operator

Speaker: A. Törnquist (Copenhagen)

Date: Tue 26th January 2016 at 4:00PM

Location:

Abstract: In the past 20 years, descriptive set theorists have developed atheory that provides a measure of relative complexity of equivalencerelations. This theory has its roots in classical smooth/non-smoothdistinction of Mackey, but provides a much more refined view of thecomplexity of concrete classification problems. In recent years,the complexity of classification problems in operator algebras (ofvon Neumann factors and of nuclear simple separable C* algebras)have been examined from the descriptive set-theoretic perspective.In this talk, I will give an overview of these developments.