

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE  
UNIVERSITY OF SOUTHERN DENMARK, ODENSE

## Mathematics seminar

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### Approximate equivalence of actions

Thursday 17 December 2015, 14:15-16:00  
IMADA seminar room

#### Abstract

This talk is based on joint work with Sorin Popa. I will discuss some new notions of equivalence of pmp group actions, i.e., actions of countable groups on probability spaces by measure-preserving automorphisms, including approximate versions of conjugacy and orbit equivalence. For instance, it turns out that certain non-amenable groups without Kazhdan's property (T) have many mutually non-conjugate actions all of which are mutually approximately conjugate, whereas approximate conjugacy is the same as conjugacy for groups with Kazhdan's property (T). I will also talk about superrigidity in the context of approximate conjugacy and approximate orbit equivalence.

Host: David Kyed