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## Analysis Seminar

## A. T"ornquist (Copenhagen)

will speak on

# A descriptive set-theoretic view of classification problems in operator

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

Location:

algebras 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.

This talk is part of the Analysis series. For more, see https://maths.ucd.ie/seminars