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

Mathematics seminar

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Deformations of nilpotent groups and homotopy symmetric C*-algebras

Thursday 3 December 2015, 14:15-16:00
IMADA seminar room

Abstract

The homotopy symmetric C*-algebras are those for which one can unsuspend in E-theory. In joint work with Marius Dadarlat we develop a new condition that characterizes homotopy symmetric nuclear C*-algebras. It can be used to show that the property of being homotopy symmetric passes to nuclear C*-subalgebras and it also implies a number of other significant permanence properties. Using this new approach, one can show that the augmentation ideal I(G) of a countable discrete torsion free nilpotent group G is homotopy symmetric.

Host: Wojciech Szymanski