

Speaker: **Siegfried Echterhoff**

Title: **A Mackey-Machine for the Baum-Connes conjecture and the proof of the Connes-Kasparov conjecture**

Abstract

In the first lecture we report on some joint work with Chabert and Oyono-Oyono on permanence properties of the Baum-Connes conjecture which leads to a “Mackey-machine” for proving the conjecture in certain situations.

In the second lecture we show how to use these methods to give a proof of the general Connes-Kasparov conjecture for arbitrary Lie groups and almost connected groups, building on Lafforgue’s results for reductive groups. This part is based on joint work with Chabert and Nest.