



Mathematisches Kolloquium

Am Freitag, dem 18. Januar 2013 spricht um **16.00 c.t. Uhr (!)** im Hörsaal IV der Fachrichtung Mathematik (Gebäude E24)

Prof. Dr. Stefaan Vaes
KU Leuven, Belgien

über das Thema:

Von Neumann algebras and ergodic theory of group actions

Abstract: The subject of this talk is at the crossroads of functional analysis, ergodic theory and group theory. Using a construction by Murray and von Neumann (1943), countable groups and their ergodic actions on measure spaces give rise to algebras of operators on a Hilbert space, called von Neumann algebras. A famous problem asks whether the group von Neumann algebras $L(F_n)$ associated with the free groups with n generators, F_n , are non-isomorphic for distinct n 's. While this problem is still open, its “group measure space” version has been recently settled by Sorin Popa and myself. I will comment on this, as well as on related classification results for von Neumann algebras established within Popa's deformation/rigidity program.

Der Gast wird von Prof. Dr. R. Speicher betreut.

Alle Interessenten sind zum Vortrag herzlich eingeladen.

Kaffee ab 15.45 Uhr im Konferenzraum der Mathematik (Erdgeschoss, Raum 1.03)

Die Dozenten der Mathematik