Department of Mathematics

University of Houston

Analysis Seminar

FRIDAY, April 20, 2018

13:00-14:00 – Room 646 PGH

Speaker: Pooya Vahidi Ferdowsi (Caltech)

Title: Classification of Choquet-Deny groups

Abstract: A countable discrete group is said to be Choquet-Deny if it has a trivial Poisson boundary for every generating probability measure. For example, all abelian groups are Choquet-Deny. It has been long known that all Choquet-Deny groups are amenable. Recently, it was proved that a countable discrete group is Choquet-Deny if and only if none of its quotients have the infinite conjugacy class property. As a corollary, a finitely generated group is Choquet-Deny if and only if it is virtually nilpotent.