

**UNIVERSITY OF HOUSTON
DEPARTMENT OF MATHEMATICS**

Analysis Seminar

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UH

**Representation rigidity of subgroups, and ideal structure
of C^* -algebras of quasi-regular representations**

1:00 pm in 646 PGH

November 8, 2019

Abstract

For a countable discrete group G we discuss relations between properties of its subgroups and their associated quasi-regular representations. We present a representation rigidity result, namely that certain classes of subgroups can be recovered up to conjugacy from the weak equivalence class of their quasi-regular representations. We give examples of such representation rigid subgroups. We further discuss the ideal structure of the C^* -algebras generated by the quasi-regular representations.

This is joint work with Bachir Bekka.