

# Algebra/Topology Seminar

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## ACTIONS OF SOLVABLE GROUPS ON HYPERBOLIC SPACES

Thursday, April 20, 2023  
3:00 p.m. in BB-B008

ABSTRACT. (Joint work with A. Rasmussen and C. Abbott.) Recent papers of Balasubramanya and Abbott–Rasmussen have classified the hyperbolic actions of several families of classically studied solvable groups. A key tool for these investigations is the machinery of confining subsets of Caprace–Cornuier–Monod–Tessera. This machinery applies in particular to solvable groups with virtually cyclic abelianizations.