

# Algebra/Topology Seminar

NIMA HODA  
Cornell University

## TREE OF GRAPH BOUNDARIES OF HYPERBOLIC GROUPS

Thursday, March 14, 2024  
3:00 p.m. in BB-B010

ABSTRACT. Regular trees of graphs are inverse limits of particularly simple inverse systems of finite graphs. They form a 1-dimensional subclass of the Markov compacta: a class of finitely describable inverse limits of simplicial complexes, which includes all boundaries of hyperbolic groups. I will discuss upcoming joint work with Jacek Świątkowski in which we use Bowditch's canonical JSJ decomposition to characterize the 1-ended hyperbolic groups whose boundaries are (regular) trees of graphs.