



*Institute of Mathematical Research
Department of Mathematics*

COLLOQUIUM

Homotopy Path Algebras

Professor David Favero
University of Minnesota

Abstract

I will consider a class of algebras, “Homotopy Path Algebras”, naturally appearing in many contexts; e.g. algebraic topology, sheaf theory, and toric geometry (as full strong exceptional collections of line bundles). I will develop the general theory of such algebras and briefly explain the connection to homological mirror symmetry, expanding on the ideas of Bondal and Fan-Lui-Truemann-Zaslow. This is based on joint work with Jesse Huang.

Date:	November 8, 2022 (Tuesday)
Time:	10:00 - 11:00am
Venue:	ZOOM: https://hku.zoom.us/j/ Meeting ID: 994 8641 7308 Password: 070849

All are welcome