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