



DEPARTMENT OF
MATHEMATICS
Illinois State University

ISU Algebra Seminar

Time: Thursday, December 1, 1:00 – 1:50pm

Zoom Room ID: 948 5899 6931

Passcode: ISU

Zoom Room Link: <https://illinoisstate.zoom.us/j/94858996931>

Speakers: Lucian Ionescu (ISU)

Title: Applications of Category Theory in Mathematics and Mathematical-Physics

Abstract: Highlights of Category Theory will be presented, in contrast with the familiar Set Theory, with examples of applications in Abstract Algebra, Topology and Mathematical-Physics. Specifically TQFTs are a geometric approach in QFT, in contrast and complementing VOAs. The presentation will be tailored for students, focusing on ideas and pictures for this last part (not enough time for Lectures).