Discrete Mathematics Seminar

Time:	Friday, April 1, 2022, 1:00-2:00 PM (Central Time)
Title:	Integer partitions, generating functions, and intervals in Youngs lattice
Speaker:	Dr. Edward Richmond, Department of Mathematics, Oklahoma State University
Zoom Link:	https://txstate.zoom.us/j/99924628868?pwd=czdJWVpWOHZIZE0vbHBQL1pWell6QT09 ID: 999 2462 8868 Passcode: **753321**

Abstract:

Combinatorial structures related to integer partitions have played an important role in the fields of algebraic combinatorics, representation theory and algebraic geometry. One such combinatorial structure is Young's lattice, the poset given by containment of Young diagrams. In this talk, I will discuss both classical and recent results on intervals in Young's lattice in relation to generating functions. I will also discuss recent work with F. Azam where we study the asymptotic growth of intervals corresponding to partitions of "average" size.