



# MAKO Undergraduate Mathematics Research Conference – 2023

Saturday, November 11

## Schedule

**Note: This schedule is tentative.**

8:30 am – 9:00 am	<b>Coffee and Pastries – Cheek Lobby</b>
9:00 am – 9:05 am	<b>Welcome</b>
9:05 am – 9:55 am	Invited Talk: “Quiver Representations and Applications” Dr. Daniel Kline, College of the Ozarks
10:00 am – 10:25 am	“Deconstructing and Dominating the Game of Hex” Justin Kroh, Drury University, and Jace Reinke, Drury University
10:30 am – 10:55 am	“Limit Theorems for Fixed Point Biased Permutations Avoiding a Pattern of Length Three” Aksheytha Chelikavada, Saint Louis University
11:00 am – 11:25 am	“The Product of the Chromatic Number and Independence Number of a Graph” Rachel Lee, Missouri State University
11:30 am – 11:55 pm	“Mathemusical: The Pitch-Class Integer Theorem” C. Scott Alons, Oral Roberts University
noon – 12:25 pm	<b>Lunch – Cheek Lobby</b>
12:30 pm – 12:55 pm	“Developing Mathematical Creativity with University Mathematics Majors” Anna Claire Smith, University of Central Arkansas
1:00 pm – 1:25 pm	“Using Cheminformatics to Predict Water Solubility” Anna Price, Oral Roberts University
1:30 pm – 1:55 pm	“Classification of Isogeny-Torsion Graphs over $\mathbb{Q}(\sqrt{213})$ ” Michael Logal, University of Arkansas
2:00 pm – 2:25 pm	“Using Musical Actions of D12 to Compose Music” Hannah Ritter, Drury University
2:20 pm – 2:35 pm	<b>Final Remarks</b>