

Conference Schedule, April 2, 2022

The **registration** and all the talks will be in the 7800 York Road Building (**YR**). The Glen Parking Garage is connected to the 3rd floor of the building by a walking bridge. **Parking** is free on weekends.

Those who join via **Zoom** can use Zoom link distributed via e-mail to access the talks in YR 205. To access talks in room YR 121, please go to Breakout Room 1 in that Zoom link and to access talks in YR124, please, go to Breakout Room 2. The icon with breakout rooms is located in the bottom line of the screen after you join the Zoom link.

If you have registered online, you will find a printed **nametag** at the registration table. If you have not registered online, please visit the registration table and sign in.

Please be sure to stay for the **Prize Session** at the end of the conference; there will be a raffle for all student participants. Please, pick up the **raffle card** with a number at the registration desk (one number per student). The prizes are a Keurig K-Compact Coffee Maker, Syma X400 Mini Drone, VinylCity Mathematics Wooden Clock, R & R Games Hanabi Card Game, SET: The Family Game of Visual Perception, and books "99 Variations on a Proof" and "Do Not Erase: Mathematicians and Their Chalkboards".

To access **Wi-Fi**, connect to "tu-openaccess" (no password required).

In your conference folders, you will also find the **feedback forms**, which you can complete and return to one of the organizers or to the box that will be available at the end of the conference in YR 205.

9:00 – 10:00 Registration YR, 3rd floor lobby

10:00 – 11:00 Opening address YR 205

A Wondrous Connection between Combinatorics and Analysis

Dr. Melvin Currie, Baltimore City Office of Equity and Civil Rights

11:10 – 11:30 Student talks

Finding the Fixing Number of Johnson Graphs $J(n, 2)$ YR 121

James Della-Giustina, Towson University

Quantifying and Minimizing the Inequality of Election Resource Allocation YR 124

Josh Murrell, United States Naval Academy

11:40 – 12:00 Student talks

Multidimensional Scaling: Connections to Fourier Analysis YR 121

Paul Zimmer, United States Naval Academy

The Price of Data Privacy in Machine Learning YR 124

Avery Schweitzer, Towson University

12:10 – 1:10 Plenary session YR 205

Mathematics Careers in Government, Industry, and Academia

1:10 – 2:10 Lunch YR, 3rd floor lobby

Those who registered on or before April 1 can pick up box lunches at 1:10 pm in the registration area.

If any lunches remain by 1:30, those who have not registered in advance may pick up the available boxes.

2:10 – 2:30 Student talks

The Enumeration of Hypermatrices over Finite Fields YR 121

Brandon Koprowski, George Washington University

Comparing Approximate and Probabilistic Differential Privacy YR 124

Julianne Nierwinski, Towson University

Continued on the reverse side

2:40 – 3:00 Student talks

Approximating a Minimal Path of Fixed Area Loops

YR 121

William Nettles, James Madison University

Student Perspectives on Three Recommendations for High School Mathematics

YR 124

Guiliana Datnoff, Stevenson University

3:10 – 3:30 Student talks

The Effect of Different Strategies on Winning 6-Nimmt!

YR 121

Jose Ayala, Nathanael Bickel, Stefan Cehan, Abigail Pisanic, Howard Community College

Free time slot

YR 124

3:30 – 4:00 Snacks and professional networking

3rd floor lobby

4:00 – 5:00 Closing address

YR 205

Would Wheel of Fortune be Easier in Dothraki or Klingon?

Dr. Benjamin Wilson, Stevenson University

5:00 – 5:15 Prize session

YR 205

Zoom link

<https://towson-edu.zoom.us/j/96177335560?pwd=Y3J3cnFaSl1VHRsR0VSV3orS0xnUT09>