

Conference Schedule, November 2, 2019

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.

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 with a quadcopter drone, Lafair Family Games Mapmaker, a Keurig K-Classic Coffee Maker, a pair of books "What If?: Serious Scientific Answers to Absurd Hypothetical Questions" and "How To: Absurd Scientific Advice for Common Real-World Problems", and VinylCity Mathematics Wooden Clock.

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

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

10:00 – 11:00 Opening address YR 205

The Monty Hall Problem, Reconsidered

Dr. Jason Rosenhouse, James Madison University

11:10 – 11:30 Student talks

On Exponential Sums of Points over an Elliptic Curve over a Finite Field YR 121

Steven Jin, University of Maryland, College Park

Composing the Composite Function YR 124

Rachael Talbert, Towson University

Gödel's Incompleteness Theorem YR 126

Yuki Nishida, Montgomery College

11:35 – 11:55 Student talks

An Intro to Enumerative Combinatorics: Proving $\pi \geq 3$ YR 121

Safiullah Rifai, Montgomery College

Theoretical Machine Learning: Exploring the Recursive Teaching Dimension YR 124

Lucinda Borbash and Lucy Canick, Baltimore Polytechnic Institute

Construction of the k -Fibonacci Word Fractal YR 126

Lan Mai, McDaniel College

12:00 – 1:00 Plenary session YR 205

Mathematics Careers in Government, Industry, and Academia

1:00 – 2:00 Lunch YR, 3rd floor lobby

Those who registered on or before November 1 can pick up box lunches at 1:05 pm in the registration area. If any lunches remain by 1:25, those who have not registered in advance may pick up the available boxes.

2:00 – 2:20 Student talks

Canonical Expressions of Algebraic Curvature Tensors YR 121

Kaitlin Ragosta, Boston University

Spectral Properties of Reversible Indel Models YR 124

Linden Yuan, University of Maryland, College Park

Operations Research Methods for Call Center Analysis YR 126

Daniel Larison, Towson University

2:25 – 2:45	Student talks	
	Lexell’s Theorem on the Hyperboloid Model of the Hyperbolic Plane	YR 121
	<i>Ramon Suris-Rodriguez, Towson University</i>	
	2-Super Bondage Number and Network Reliability	YR 124
	<i>Alvaro Belmonte, Moravian College</i>	
	Modeling Seasonal Dynamics of Swimmers Itch and the Efficacy of Potential Treatment Options	YR 126
	<i>Morgan Holt, Liberty University</i>	
2:50 – 3:10	Student talks	
	Triangulations and Tamari Lattices	YR 121
	<i>Ryan Wartenberg, Washington College</i>	
	The Game of Fouls: Who Will Win in the Long Run?	YR 124
	<i>Isabelle Pardew, Towson University</i>	
	Modeling the Hodgkin-Huxley Equations in Artificial Nerves for Protheses	YR 126
	<i>Michelle Karlsberg, Montgomery College</i>	
3:15 – 3:35	Student talks	
	Hurwitz Action on Reflection Factorizations in the Complex Reflection Group G_6	YR 121
	<i>Dounia Lazreq, George Washington University</i>	
	Fantastic Shapes and How to ”Make” Them	YR 124
	<i>Abigail Burnett, Washington College</i>	
	Is ”i” Imaginary? Using Complex Numbers for Applications in Partial Differential Equations	YR 126
	<i>Serina Terrill, University of Maryland, Baltimore County</i>	
3:35 – 4:05	Snacks and professional networking	3rd floor lobby
4:10 – 5:10	Closing address	YR 205
	Nonstandard Finite Difference Schemes for a Nonlinear World	
	<i>Dr. Talitha Washington, Howard University</i>	
5:10 – 5:25	Prize session	YR 205