

**The 2025 Annual Meeting of the Illinois Section of the MAA  
Friday, March 28**

10:45 - 5:00	<b>Registration</b>	Gallery (near Turk Theater) - 1st Floor of Tower Hall			
11:15 - 1:30	<b>Preconference Workshop and Lunch</b>	N225 - 2nd Floor of Tower Hall	Bring Your Data to Life <b>Jim Kulich</b>		
1:45 - 2:00pm	<b>Welcome</b>	Sexton Auditorium - 1st Floor of Tower Hall			
2:00-2:50pm	<b>Opening Plenary</b>	Sexton Auditorium - 1st Floor of Tower Hall	Generating a Tailwind With AI <b>Jim Kulich</b>		
	<b>N217 - 2nd Floor of Tower Hall</b>	<b>N218 - 2nd Floor of Tower Hall</b>	<b>N221 - 2nd Floor of Tower Hall</b>	<b>N304 - 3rd Floor of Tower Hall</b>	<b>N219 - 2nd Floor of Tower Hall</b>
3:00 - 3:20pm	Optimizing Class Scheduling for Student-Athletes at Roosevelt University <b>Animesa Puri (+)</b> , Sai Manohar, and Sai Charan	Selecting Balls from urns with partial replacement rules <b>Enrique Treviño</b>		Student Partial Meanings for Homomorphisms <b>Brooke Randazzo</b>	
3:30 - 3:50pm	Metric Spaces and Urban Design: A Mathematical Perspective <b>Delaney Balmer*</b>	On Rademacher, Walsh and Haar functions <b>Wilfredo Urbina-Romero</b>		Incorporating Writing Projects in Pre-calculus and Calculus Courses <b>Kevin Murphy</b>	
4:00-4:20pm	Dynamical Sampling: An Overview and Recent Results <b>Brendan Miller (+)</b>	The Music of the Spheres, and Other Orientable Surfaces <b>Tony Bedenikovic</b>	The Frequency of Fiven Numbers <b>Abigail Hoit</b>	Supporting Mathematical Instruction Around Definitions Through Values-Centered Collaboration Rachel Rupnow, Kristen Vroom <b>Mik Mieczkowski*</b> , and Seth Ricarte	
4:30-4:50pm			Integral Cayley graphs over a finite symmetric algebra <b>Tung T. Nguyen</b> and Nguyen Duy Tan	Pascal and the Tower of Hanoi <b>Jon L. Johnson</b>	
5:00-5:15	<b>Break</b>				
5:15-6:15	<b>Business Meeting</b>	San Damiano - 3rd Floor of Donovan Hall			
5:30-6:30	<b>Student Puzzle Session</b>	Executive Conference Room - 3rd Floor of Donovan Hall			
6:00-7:00	<b>Reception with cash bar</b>	San Damiano - 3rd Floor of Donovan Hall			
6:30-7:30	<b>Student Pizza Party</b>	Executive Conference Room - 3rd Floor of Donovan Hall			
7:00-7:45	<b>Banquet &amp; Awards</b>	San Damiano - 3rd Floor of Donovan Hall			
7:45-8:35	<b>Plenary Talk</b>	San Damiano - 3rd Floor of Donovan Hall	Data Science for and by Pure Mathematicians <b>Cindy Wyels</b>		

\* = undergraduate student

(+) = graduate student

All times listed are in Central Standard Time.

## The 2025 Annual Meeting of the Illinois Section of the MAA Saturday, March 29

8:00-12:00pm	<b>Registration</b>	Gallery (near Turk Theater) 1st Floor of Tower Hall			
8:30-9:30am	<b>Plenary Talk</b>	Sexton Auditorium - 1st Floor of Tower Hall	The Principle, Perils, and Persecution of Equity in Mathematics Education <b>Greg Larnell</b>		
9:30-9:50am	<b>Coffee Break</b>	Turk Theater - 1st Floor of Tower Hall			
	<b>N217 - 2nd Floor of Tower Hall</b>	<b>N218 - 2nd Floor of Tower Hall</b>	<b>N221 - 2nd Floor of Tower Hall</b>	<b>N304 - 3rd Floor of Tower Hall</b>	<b>N219 - 2nd Floor of Tower Hall</b>
10:00 - 10:20am	Career Panel for Undergraduate Students: Preparing for Careers in Mathematical Sciences <b>Matt Albaugh</b> , Doctoral Student in Statistics	Section NExT Round Table discussion (10-10:50) <b>Hosted by Christina Jamroz</b>	Hands-on Division with Fractions for Understanding <b>Jim Olsen</b>	Mathematically Modeling Recurrent C. difficile Infections in Long-Term Care Facilities <b>Zachary Campbell*</b>	
10:30 - 10:50am	<b>Seth Cohen</b> Senior Programming Engineer <b>Arielle Fujiwara</b> , 8th Grade Math Teacher <b>Josh Torres</b> , Actuarial Pricing Data Analyst <b>Moderated by Steve Cohen</b>			A Mathematical Model of C. difficile Transmission and Control in Healthcare Settings <b>Kristen Ess*</b>	Human-Centered Teaching: My Experience at the Decatur Correctional Center <b>Emily Olson</b>
11:00-11:20am	Hyperplane Arrangements and Zero-sum free sequences <b>Sunil Chebolu</b> and Papa Sissokho	Exploration of the Problem of Points <b>Jasmine Gillis(+)</b>	Updates to Rules and Policies in Teacher Education <b>Todd D. Oberg</b>	Modelling the Evolution of Altruistic Norms via Cultural Multilevel Selection <b>Ahmad Abdur Rahman*</b>	First Experiences with Building Thinking Classrooms <b>Elizabeth DeWitt</b>
11:30-11:50am	Some Triangular Numbers <b>Bir Kafle</b> , Alain Togbe, and Florian Luca	Development of Agent-Based Models for Evaluation of Precision Nutrition Interventions Through a Socioeconomic Lens <b>Chuckie Gentile*</b> , <b>Claire Levis*</b> , et al.			A case Study of an Extended Calculus Course at Valparaiso University <b>Zsuzsanna Szanislo</b>
12:00-1:00pm	<b>Closing, Undergrad Awards, and Plenary Talk</b>	Sexton Auditorium - 1st Floor of Tower Hall	A Glimpse at the Horizon <b>Deanna Haunsperger</b>		

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