

**The 2022 Annual Meeting of the Illinois Section of the MAA
Friday, March 25**

9:30 - 4:30	Registration	University Commons Lobby			
10:00 - 12:00	Preconference Workshop	University Commons Room 374 - President's Dining Room	Advising Mathematics Students Academically and Professionally James Sellers		
12:30	Welcome & Faculty Awards	University Commons Ballroom B (3rd floor)	Aaron Zerhusan, Chair of ISMAA		
1:00-1:50pm	Opening Plenary	University Commons Ballroom B (3rd floor)	Machine-learning methods and patient data generation schemes for remote detection and monitoring of Health Deterioration due to Lung & Heart Illness Sumanth Swaminathan		
	ADM Scovill Room 109	ADM Scovill Room 208	ADM Scovill Room 211	ADM Scovill Room 213	
2:00 - 2:20pm	Undergraduate Research Training Seminars Angela Antonou and Christina Jamroz	Laplacian Simplices Associated to Threshold Graphs Marie Meyer	Conjugacy Classes of Unipotent Elements in Symmetric Spaces of the Special Linear Group over a Finite Field Ellen Ziliak		
2:30 - 2:50pm	Reading Assignments Meets Flipping in Calculus I Paula R. Stickles	Gibbs Phenomenon and Modified Fourier Series Catherine Crawford and Jon Johnson	2:25 - 2:40pm	Poetry and Mathematics for Education Alexis Langellier*	Spanning Forest Probabilities on Path Graphs and Binary Trees Miles Mena*
			2:45 - 3:00pm	"Physical" Model of the Extended Euclidean Algorithm Lucas Hancock* and Angela Antonou	NFTrig: A Digital Card Game of Trig Functions Jordan Thompson*
3:00-3:20pm	Teacher Shortage, Legislation, and Other Topics for Teacher Preparation Todd Oberg	Counting Leading Shifted Tableaux Elizabeth DeWitt	3:05 - 3:30pm	Predictive Hockey Analytics Alia Alramahi*, Harvey Campos-Chavez*, and Miles Mena*	Section NExT Round Table discussion (3:05-3:50) Hosted by Emily Olson
3:30-3:50pm		A Rudimentary Analysis of Wordle and Its Variants Joe A. Stickles, Jr.			
4:00-5:00	Coffee and 100th Anniversary Cake	University Commons Lobby			
5:00-6:00	Business Meeting	University Commons Ballroom B (3rd floor)			
5:00-6:15	Student Contest	University Commons Room 142/144			
6:00-7:00	Reception with cash bar	University Commons Third Floor			
6:15-7:30	Student Pizza Party	University Commons Room 142/144			
7:00-7:50	Banquet	University Commons Ballroom A (3rd floor)			
7:50-8:45	Plenary Talk	University Commons Ballroom A (3rd floor)	Power in Numbers: The Rebel Women of Mathematics Talithia Williams		

* = undergraduate student

All times listed are in Central Standard Time.

(+) = graduate student

**The 2022 Annual Meeting of the Illinois Section of the MAA
Saturday, March 26**

8:00-1:00pm	Registration	University Commons Lobby			
8:30-9:30am	Plenary Talk	University Commons Ballroom B (3rd floor)	On Euler's Partition Theorem Relating Odd-Part Partitions and Distinct-Part Partitions James Sellers		
9:30-9:50am	Coffee	University Commons Lobby			
	ADM Scovill Room 109	ADM Scovill Room 208	ADM Scovill Room 211	ADM Scovill Room 213	
10:00 - 10:20am	Career Panel for Undergraduate Students: Preparation for Industrial Careers in Mathematical Sciences Terryn Fredrickson , software engineer at Yahoo! Levi Laws , financial advisor at Stifel Nicolaus Sydney Rudny , data specialist at Caterpillar	PIC Math: Students become mathematical consultants in a real-world research class Haley Yaple	Rainbow Numbers over Z_n Katie Ansaldi		
10:30 - 10:50am		The word problem for one relator inverse monoid Muhammad Inam	Partial envelope models for multivariate time series H. M. Wiranthe Bandara Herath (+)	10:25 - 10:40am	Effects of Optimally Performed Healthcare Measures On C. Difficile Infection Rate David Kovalev*
11:00-11:40am	Reflections on Christopher Emdin's "For White Folks Who Teach in the Hood... and the Rest of Y'all Too" Cassidy Krause	Applying Mathematics to Archaeology Michael Sostarecz	A Mathematical Framework to Augment the Q-MARSH Score in the Diagnosis of Celiac Disease Cara Sulyok	10:45 - 11:00am	Exponential-Ansatz Density Functional Theory Greta Jacobson*
				11:05 - 11:20am	Tight bounds for rainbow k-connectivity in complete multipartite graphs Shengan Wu*
				11:25 - 11:40am	Edge-colorings without small substructures David James*
12:00-1:00pm	Closing, Undergrad Awards, and Plenary Talk	University Commons Ballroom B (3rd floor)	Mathematical Modeling: Finding A Balance Between Reality and Utility Brittany Stephenson		

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