

**The 2023 Annual Meeting of the Illinois Section of the MAA
Friday, March 31**

9:30 - 4:30	Registration	Jack H. Turner Conference Center Lobby , Student Resource Center, Room 2000 (SRC 2000)			
10:30 - 12:00	Preconference Workshop	Student Resource Center, Room 2131 (SRC 2131)	Metacognition: Teaching Students to Think about Learning Manda Riehl		
12:45	Welcome	Jack H. Turner Conference Center, SRC 2000	Aaron Zerhusan, Chair of ISMAA		
1:00-1:50pm	Opening Plenary	Jack H. Turner Conference Center, SRC 2000	Discrete Mathematics Applied to Biology Manda Riehl		
	HSC 2326	HSC 2324	HSC 1234	HSC 2137	HSC 2322
2:00 - 2:20pm	A Primer on Graphs Associated with Algebraic Structures Joe Stickles	Mathematics and Creative Habits Elizabeth DeWitt		Mathematically Modeling the Immune Response of Celiac Disease Olivia Adamic*	What Makes A Good Mathematical Proof Jasmine Gillis*
2:30 - 2:50pm	I'm Puzzled using Algebra and Grobner Basis to Solve Problems Ellen Ziliak	Andromeda's Distance: An Activity in Exponential and Logarithmic Functions Keith Brandt	A Study of The People's Classifications on MicroPlants Elaine Gaberik (+), Eric Damerow*, Savannah Green*, Joseph Pascual*, Lizbeth Tlatenchi*	An Agent-Based Model of COVID-19 Transmission at Lewis University Austin Kind*	Statistical Analysis of High-Pressure Moments in Tennis and Counter-Strike: Global Offensive Jakob London*
3:00-3:20pm	Undergraduate Research Aimed at Solving <i>Clostridioides difficile</i> : Mathematical Models of Transmission and Control in Healthcare Settings Cara Sulyok	Videos and Notes and Calculus, Oh My! A Journey Towards Flipping Calculus Paula R. Stickles	On Low-Rank Convex-Convex Quadratic Fractional Programming Brendan Miller(+)	The Italian Domotic Number of Trees Keith Gallegos*	Computing the period of the Simple Pendulum using Elliptic Integrals Viet Bui*
3:30-3:50pm		Research Training Seminar Series - Training Undergraduate Students for Math Research Angela Antonou and Christina Jamroz	A Non-Associative Approach to Algebra Ronald White (+)	Utilizing an Agent-Based Model to Explore the Transmission of <i>Clostridioides difficile</i> in Healthcare Settings and Evaluate Control Strategies Maximus Lewis* and Laila Mahrat*	The Isomorphy Classes of the Special Orthogonal Group of Low Dimension in Characteristic 2 Shiqi Cheng" and Jibran Haque*
4:00-5:00	Coffee and Social Break	Health and Science Center First Floor Lobby			
5:00-6:00	Business Meeting	Health and Science Center, Lecture Hall 1234 (HSC 1234)			
5:00-6:15	Student Contest	Health and Science Center, Classroom 2322 (HSC 2322)			
6:00-7:00	Reception with cash bar	Jack H. Turner Conference Center, Student Resource Center, 2000 (SRC 2000)			
6:15-7:30	Student Pizza Party	Health and Science Center, Classroom 2322 (HSC 2322)			
7:00-7:50	Banquet & Awards	Jack H. Turner Conference Center, Student Resource Center, 2000 (SRC 2000)			
7:50-8:45	Plenary Talk	Jack H. Turner Conference Center SRC 2000	Intentional Integration of Embodiment forms to teach the FHT Hortensia Soto		

"" = high school student

* = undergraduate student

(+) = graduate student

All times listed are in Central Standard Time.

All attendees are invited to the Section NExT social at Brick House Tavern + Tap (1461 Butterfield Rd, Downers Grove) from approx. 9-10pm

**The 2023 Annual Meeting of the Illinois Section of the MAA
Saturday, April 1**

8:00-1:00pm	Registration	Jack H. Turner Conference Center Lobby , Student Resource Center, Room 2000 (SRC 2000)			
8:30-9:30am	Plenary Talk	Jack H. Turner Conference Center SRC 2000	Active Learning in Calculus Bob Cappetta		
9:30-9:50am	Break				
	HSC 1234	HSC 2322	HSC 2324	HSC 2326	HSC 2137
10:00 - 10:20am	Career Panel for Undergraduate Students: Preparation for Careers in Mathematical Sciences Bisma Mirza Product Owner, Allstate, Ayesha Quadri Treasury Associate, Revantage, Emma Schoonover Master's student, high school teacher, and track coach at Ottawa Township High School Moderated by Ellen Ziliak	Section NExT Round Table discussion (10-10:50) Hosted by Emily Olson	Coset Labeled Graphs Mathew Timm	The Effects of Vaccine Misinformation on Disease Spread Yina Wang	Essential Student Learning Outcomes for the College Geometry Course for Secondary Teachers Steve Cohen
10:30 - 10:50am				Hysteresis in an insect outbreak model Kiah Wah Ong	Same Up to What? Reflections on Ways Sameness Permeates Mathematics Rachel Rupnow
11:00-11:20am		Illinois Developmental Education Reform--What Every Math Department Needs to Know Keven Hansen	A Learning Community for Instructional Faculty Daniel Hess and Sarah Ziesler	Counting subgroups of finite Abelian p- groups Sofia Briggs*	Analyzing the Game of Cycles using Python Brian Freeman* and Bushra Ibrahim*
11:30-11:50am			Innovations in Teaching and Learning of Mathematics M. Vali Siadat	Stochastic Simulations of Nosocomial Clostridioides difficile Infections and Transmission Laila Mahrat* and Matthew Senese*	Approximating The best building block set Ricardo Esteban Salazar Ordoñez*
12:00-1:00pm	Closing, Undergrad Awards, and Plenary Talk	Jack H. Turner Conference Center SRC 2000	Everyday Math in the Pursuit of Big Science: A Muon g-2 Case Study Chris Polly		

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