

## The 2019 Annual Meeting of the Illinois Section of the MAA

**Friday, March 29**

8:00-4:30	<b>Registration and Exhibits</b>	Agriculture Breezeway North Lobby	
8:30-11:45	<b>Preconference Workshop</b>	Agriculture 152	Recreational Mathematics in the Classroom <b>Ronald Taylor</b>
1:15-2:30	<b>Opening Plenary</b>	Agriculture 102	A Glimpse at the Horizon <b>Deanna Haunsperger</b>
	Agriculture 153	Lawson 121	Lawson 221
2:40-3:10	Modeling Count Data via Copulas: Comparison of Kendall's tau and Spearman's rho <b>Hadi Safari Katesari(+), Yaser Samadi, and Samira Zaroudi</b>	Predictive Modeling and Analysis of Softball Using Linear Algebra-based Ranking Systems <b>Carley Maupin* and Marco Pettinato*</b>	Spin the Cube <b>Lingguo Bu</b>
3:10-3:40	Polling, voting, and gerrymandering: Teaching the mathematics of democracy in a liberal arts math class <b>Aaron Zerhusen</b>	Modeling Crossed-Prism Graphs in Self-Assembling DNA Using Graph Theory and Linear Algebra <b>Eric Redmon*</b>	Triangle simplified <b>Jerzy Kocik</b>
3:50-4:20	The Elmhurst College KEYSTONE Program <b>Jon Johnson, Merrilee Guenther, and Tom Sawyer</b>	Design Strategies for Modeling Mongolian Tent Graphs using DNA Self-Assembly <b>Jackson Hansen*</b>	An Intriguing 4-dimensional Polytope <b>Gregory Galperin</b>
4:20-4:50	Math Teachers' Circle: A Comparison Between One and Three Day Workshops <b>Angela Antonou and Rita Patel</b>	Categorification of Matrices Over the Natural Numbers <b>Brendan Miller*</b>	An Investigation into Combinations: Arranging People into Rooms <b>Simon Walthers*</b>
5:00-6:00	<b>Business Meeting</b>	Agriculture 102	
5:00-6:15	<b>Student Contest</b>	Agriculture 166	
6:00-7:00	<b>Reception with cash bar</b>	SIU Student Recreation Center Alumni Lounge	
6:15-7:30	<b>Student Pizza Party</b>	Neckers Atrium	
7:00-7:45	<b>Banquet</b>	SIU Student Recreation Center Alumni Lounge	
7:45-8:45	<b>Plenary Talk</b>	SIU Student Rec Center Alumni Lounge	Patterns of Play: A Recreational View of Mathematics <b>Ronald Taylor</b>

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**Saturday, March 30**

8:00-1:00	<b>Registration and Exhibits</b>	Engineering Lobby	
8:30-9:30	<b>Plenary Talk</b>	Engineering A111	The Art of Finding the Perfect Example <b>Abigail Bailey</b>
	Engineering A207	Engineering A219	Engineering A220
9:40-10:10	ISMAA Section NExT Round Table <b>Organized by: Emily Olson</b>	If you or a loved one is a math major, please pay attention to the following announcement. <b>Olcay Akman</b>	Octonions and Rotations <b>Kalpa Thuewaththage(+) and Jerzy Kocik</b>
10:10-10:40		Isomorphism between Rubik's Puzzles <b>April Tran* and Jonathan Reaban*</b>	Undergraduate Research in Mathematical Biology: Impulsive Differential Equations and Agent-Based Models <b>Timothy Comar</b>
10:50-11:20	Look For and Make Use of Structure, Symmetry, and Similarity <b>Jim Olsen</b>	The Last Digits of Infinity (On Tetrations Over Modular Rings) <b>William Stowe*</b>	Fourier Methods for Estimating the Central Mean Subspace in Time Series <b>Priyan De Alwis(+) and Seyed Yaser Samadi</b>
11:20-11:50			Approximation Of Continuously Distributed Delay Differential Equations <b>Roshini Gallage(+)</b>
12:00-1:15	<b>Closing and Plenary Talk</b>	Engineering A111	Designing Optimal Strategies for DNA Self-Assembly <b>Amanda Harsy</b>

\* = undergraduate or other student

(+) = graduate student