

The 2017 Annual Meeting of the Illinois Section of the MAA

Friday, March 31st

8:00-4:30	Registration and exhibits	Outside SRC 2000		
8:30-11:45	Preconference Workshop	HSC 2301	Activities That Enhance Conceptual Understanding in Introductory Statistics	Michael Sullivan
1:15-2:30	Opening Plenary	SRC 2000	A Helpful Way to Think of Mathematical Variables	Susanna Epp
	HSC 1234 (Lecture Hall)	HSC 1330	HSC 1301	HSC 2326
2:40-3:10	Teacher Education Discussion: Developing An Advanced Perspective Through Extended Problem Analysis Todd Oberg	Workshop: Improv for Professors Doug Shaw (pre-registration required: http://www.signupgenius.com/go/10c0b48aaa82ca4fe3-workshop)	Using Population Dynamics as a Theme to Introduce (Bio)calculus Students to Mathematics to Biology Timothy Comar	Undergraduate Scholarship: The Beling Program at Augustana Thomas Bengtson
3:10-3:40			Some Lesser Known Properties of the Fibonacci Numbers Azar Khosravani	An Introduction to Markov Chains and Application to Credit Ratings Wilfredo Urbina-Romero
3:50-4:20	Panel Discussion: Mathematics in Business, Industry, and Government	Analysis of Chaotic Motion Michael Sostarecz	Intentional Course Design Stacey Rodman	Free Rods Under Compression: Cascading and Phantom Spectral Lines Jooyeon Chung
4:20-4:50		Geometric Representations of Groups Mathew Timm	Tax Policy to Minimize the Gini Index Michael McAsey	Area Inside a Circle: Intuitive and Rigorous Proofs Vali Siadat
5:00-6:00	Business Meeting	HSC 1234 (Lecture Hall)		
5:00-6:15	Student Contest	HSC 2322		
6:00-7:00	Reception with cash bar	SRC 2000		
6:15-???	Student Pizza Party	HSC 2324		
7:00-7:45	Banquet	SRC 2000		
7:45-8:45	Banquet Plenary	SRC 2000	A Non-Imaginary Approach to Complex Numbers	Douglas Shaw

indicates graduate talk

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Saturday, April 1st

8:00-1:00	Registration and exhibits		Outside SRC 2000	
8:00-8:30	Continental breakfast		SRC 2000	
8:30-9:30	Saturday Plenary		SRC 2000	
			Teaching Calculus in the 21st Century	
			Bob Cappetta	
	HSC 1234 (Lecure Hall)	HSC 1330	HSC 1301	HSC 2326
9:40-10:10	The New SAT Jim Olsen & Mary McMahon	Illinois Section Project NExT Workshop Organizer: Ellen Ziliak	Teaching a PIC-Math Industrial Problems Class Steve Cohen	You Say Soccer and I Say Football; Let's Not Call the Whole Thing Off Olcay Akman
10:10-10:40			On Noncommutative Piecewise Noetherian Rings Abigail Bailey	The Effect of Embellishment on Rumor Spreading Anthony DeLegge
10:50- 11:20	Panel Discussion: Helping Transitional and Developmental Students Succeed	Holomorphic Automorphisms in One Dimension, Several Dimensions, and Infinitely Many Dimensions Aaron Zerhusen	Math Teachers' Circles: Inquiry- Oriented Activities Used to Investigate Rich Math Problems Amanda Harsy & Ahmad Mojiri	BiqCrunch: Solving Binary Quadratic Problems Efficiently Using Semidefinite Optimization Nathan Krislock
11:20- 11:50		The MAA - Programs and New Governance Jon Johnson & Sharon Robbert	Impact of the Southwest Chicago Math Teachers' Circle on the Disposition of Teachers Angela Antonou & Rita Patel	Orbit Decompositions of $SL_2(\mathbb{F}_q)$ Ellen Ziliak
12:00-1:15	Closing & Closing Plenary		SRC 2000	
			The Mandelbrot Set: What We Know Today	
			Laura DeMarco	

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	HSC 2135		HSC 2322 (undergraduate)	HSC 2324 (undergraduate)
2:40-3:10		2:40-2:55	Viabilities of Annuals Vs. Perennials over Multiple Seasons Kassy Candelaria	A Solution to Pell's Equation Zeid Ghalyoun
		3:00-3:15	Integral Apollonian Circle Packings Reinhardt Awender	Monopoly: The "Speed Die" Chand Bhanot
3:10-3:40	IMTE (Illinois Mathematics Teacher Educators) Meeting Astrida Cirulis	3:20-3:35	Affect of DFTD on Tasmanian Devil Social Structure Chris Bruno	Extinction in a Two Prey One Predator Model for Integrated Pest Management Anthony Mendoza
3:50-4:20		3:50-4:05	Using the Shingles Vaccine to Stop the Spread of Chickenpox Matt Gilsdorf	Natural Computations in Gene Regulatory Networks Brianna Martin
4:20-4:50		4:10-4:25	Minimal Generating Sets of the Symmetric Group Sadia Ansari	Extinction and Permanence in an Integrated Pest Management with a Holling Type II Predation Rate Rachel Majerczyk
		4:30-4:45		When Will I Ever Use This? Kyle Keen
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	HSC 2135		HSC 2322 (undergraduate)	HSC 2324 (undergraduate)
9:40-10:10		9:40- 9:55	A Linear Approach to Principal Component Analysis Linda Shaw	Autonomous Cars and Their Effect on Traffic Flow J. Buczek, J. Rubinstein, L. Navarette
		10:00- 10:15	Fractals And Iterated Function Systems Marko Saric	Image Processing and Restoration under Atmospheric Turbulence Margaret Fortman
10:10-10:40	A Solution to Pell's Equation Zeid Ghalyoun (continued from previous day)	10:20- 10:35	Music Playlists and the Digamma Function Devin Akman	Modeling Building with Fantasy Football Quarterbacks Kyle Zeberlein
10:50- 11:20	Modeling the Influence of El Nino on Parasite Transmission in Sand Crab Populations and Shorebird Abundance Along the CA Coast Aboubacar Seck	10:50- 11:05	A Markov Chain Analysis of NFL Overtime Rules Logan Timmons	A Recurrence Formula for Spreads William Stowe
		11:10- 11:25	The Skyrim Problem Dat Tran & Lan Dang	The Dynamics of an Epidemiological Model for Human Papillomavirus Stefano Chiaradonna
11:20- 11:50	Study of the NICU Architecture in the Transmission of MRSA among Infants Christopher Swindell	11:30- 11:45	Improving Numerical Integration Estimates with Inverse Functions Thomas Campbell	Agent-Based Model for Integrated Pest Management with Periodic Control Strategies Elizabeth Rodriguez
12:00-1:15	Closing & Closing Plenary	SRC 2000	The Mandelbrot Set: What We Know Today	Laura DeMarco

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