

MAA Wisconsin Section Meeting April 24-25, 2015

Friday, April 24, 2015

Rooms	Todd Wehr 112	Todd Wehr 204	Todd Wehr 217	Todd Wehr 108	Todd Wehr 110	Todd Wehr 114
1:15-1:40	Richard Spindler UW-Eau Claire <i>Applying Research-based Teaching Practices to Transform an Elementary Statistics Course</i>	<i>Student Talk</i> Logan Soich Faculty Sponsor: Dr. Chester Ismay, Ripon College <i>Developing Interactive Probability Materials</i>	<i>Student Talk</i> Thong Le Faculty Sponsor: Edward Kim, UW-La Crosse <i>Variants of the Hirsch Conjecture for Transportation Polytopes</i>	Lee, Ki-Suk Korea National University of Education <i>Galois Irreducibles</i>	<i>Student Talk</i> Katie Gerdt's Faculty Sponsor: Dr. Melissa Bingham, UW - La Crosse <i>Bootstrap Techniques for Three-Dimensional Rotation Data</i>	Andrew Rourke Maplesoft <i>Redefining Math Education with Clickable Math</i>
1:45- 2:10	Yu Guan UW - La Crosse <i>Mathematics Modeling - Selecting Best Cites in the US</i>	<i>Student Talk</i> Seth McDonald Faculty Sponsor: Chester Ismay, Ripon College <i>Looking Beneath the Surface: Visualizing 3D Functions in R</i>	<i>Student Talk</i> Mac Gallagher Faculty Sponsor: Edward Kim, UW - La Crosse <i>Efficiency of linear programming using the simplex method via diameter growth in abstract polytopes</i>	Mu-Ling Chang UW -- Platteville <i>An Application of Sum of Cubes</i>	Melissa Bingham UW-La Crosse <i>Using Logistic Regression on Enrollment Data to Predict Retention Rates</i>	
2:15-2:40	Rachel Chaphalkar UW - Whitewater <i>Introductory Statistics Students Understanding of Variability</i>		Seth Dutter UW-Stout <i>Gaps in Taylor series of algebraic functions</i>	Christopher Frayer UW-Platteville <i>Geometry of Cubic Polynomials</i>		Justin Albert Carthage College <i>Solving the word problem for split bands</i>

2:45 – 3:10	Thomas Drucker UW- Whitewater <i>Frege's Legacy</i>	<i>Student Talk</i> Mitchell Eithun Faculty Sponsor: McKenzie Lamb Ripon College <i>Modeling Monopoly with Monte Carlo Simulations</i>	<i>Student Talk</i> Ernesto Bautista and Kent Mieh UW-Whitewater <i>NCAA Championship Predictive Model</i>		Ed Clemons UW Oshkosh <i>Developmental Math - increased graduation rate</i>	
3:15 - 3:40	Nathan Warnberg UW-La Crosse <i>Rumor spreading on directed graphs</i>	<i>Student Talk</i> Tyler Shimek & Lincoln Wurtz Faculty Sponsor: Andrea Young Ripon College <i>A Conformal Structure on Triangulated Piecewise-Flat 3- Manifolds</i>	<i>Student Talk</i> Al Mitchell Faculty Sponsor: Dr. Suzanne Boyd UW-Milwaukee <i>Existence of Mandelbrot Sets in the Parameter Planes of Certain Rational Functions</i>	Rob Calcaterra UW- Platteville <i>Some Problems in Analysis</i>	<i>Student Talk</i> Rebecca Miller Faculty Sponsor: Aaron Trautwein, Carthage College <i>Knot Theory: Finding Harmonic Nine Crossing Knots</i>	
3:45- 4:10	Mark Snavelly Carthage College <i>Even Euler Dropped Minus Signs (But We Can See Why)</i>	<i>Student Talk</i> Michael Gableman & Erin Frassetto Faculty Sponsor: Dr. Andrea Young, Ripon College <i>Numerical Analysis of Triangulated Piecewise-Flat 3- Manifolds</i>	<i>Student Talk</i> Matthew Hoepfner Faculty Sponsor: Suzanne Boyd UW- Milwaukee <i>The Boundedness Locus of a Family of Complex Rational Functions</i>	John Beam UW- Oshkosh <i>A Powerful Method of Non-Proof</i>	Whitney George UW-La Crosse <i>Introduction to Contact Topology and Legendrian Knots</i>	
4:15-5:15	MAA Section Visitor Invited Speaker: Jim Daniel "How much money do your parents (or you) need for retirement?---an introduction to actuarial math and careers" <i>Room</i> : Bear Auditorium, Farr Hall					
5:15-6:30	Cash Bar/Reception <i>Room</i> : Martin Luther King Lounge, Harwood Memorial Union					
5:30-6:30	Student Contest: Face Off <i>Room</i> : Todd Wehr 104					
6:30- 9:00	Banquet, Awards and MAA Centennial Celebration History of the Wisconsin Section by Ben Collins <i>Room</i> : Great Hall, Harwood Memorial Union					

Saturday, April 25, 2015

8:00-8:50	Section Business Meeting Room: Todd Wehr 104				
Rooms	106	107	108	109	110
9:00-9:25	Huckleberry Rahr UW - Whitewater <i>The Real Relationship Between x and y --A New Approach to Presenting Algebra</i>	<i>Student Talk</i> Laura Brunner Faculty Sponsor: Edwin (Jed) Herman, UW-Stevens Point <i>Using Mathematical Models to Compute Phylogenetic Distance</i>	Chad Vidden UW - La Crosse <i>Mathematical Modelling and the WMMC</i>	Laura Schmidt UW-Eau Claire <i>The Balancing Act</i>	Jennifer Szydlik and Eric Kuennen UW - Oshkosh <i>Mathematics Learning in China: Observations from a Study Abroad</i>
9:30- 9:55	Kirithi Premadasa UW-Baraboo/Sauk County <i>"Bring Your Own Device": Emerging Virtual Clickers Options and Pedagogy</i>	<i>Student Talk</i> Brittany Dulek Faculty Sponsor: Edwin (Jed) Herman, UW-Stevens Point <i>Oxygen diffusion in muscle tissue</i>	<i>Student Talk</i> Mary O'Driscoll Faculty Sponsor: Dr. James Peirce, UW - La Crosse <i>Investigating the Dependence of Transmission Rate to Water Temperature in a Host-Parasite System</i>	Leonida Ljumanovic UW-Platteville <i>Choosing the voting method</i>	
10:00-10:25	Ibrahim A Saleh UW - Marathon County <i>Non commutative cluster algebras and generalized Weyl algebras</i>	Chris Ahrendt UW-Eau Claire <i>Exploration of a genetic algorithm to generate certain logic puzzles</i>	Eric Eager UW - La Crosse <i>Modeling and Analysis of Bird and Bat Populations Subject to Risk Associated with Wind Energy Development.</i>	James Wucherer Superior High School <i>Goldbach's Conjecture and the Formation of Twin Primes</i>	<i>Student Talk</i> Chance Sanford Faculty Sponsor: Dr. Al Lehnen, Madison Area Technical College <i>Some Interesting Results Concerning Fibonacci Numbers and Their Generalizations</i>

10:30-10:55	<p>Yuriy Shlapak</p> <p>UW-Marshfield/ Wood County</p> <p><i>Generalized summation of divergent series</i></p>	<p><i>Student Talk</i></p> <p>Maxwell Dylla & Christopher Hopp</p> <p>Faculty Sponsor: Professor Chris Ahrendt UW -Eau Claire</p> <p><i>Periodic and Almost Periodic Solution Behavior for Four Dynamic Riccati Equations on Time Scales</i></p>	<p>Jacob Gloe</p> <p>UW -La Crosse</p> <p><i>Triangular Surface Coils for Alternative Acceleration in Dynamic Prostate MRI</i></p>	<p>Edward D. Kim</p> <p>UW -La Crosse</p> <p><i>Lattice Path Lagrangian Matroids</i></p>	<p><i>Student Talk</i></p> <p>Allwin McDonald & Mitchell Eithun</p> <p>Faculty Sponsor: Dr. Andrea Young</p> <p>Ripon College</p> <p><i>The Oz-some Power of Linear Algebra</i></p>
11:00 – 12:00	<p>MAA Invited Speaker: David Bressoud</p> <p><i>Historical Reflections on the Fundamental Theorem of (Integral) Calculus</i></p> <p>Room : Bear Auditorium, Farr Hall</p>				
	<p>Project NeXT Meeting</p> <p>Room: Pickard Commons - Milhaly</p>				
	<p>UW-Colleges Math Department Meeting</p> <p>Room: Pickard Commons Room (PDR)</p>				