

MAA Wisconsin Section Meeting April 6 and 7, 2018

Friday, April 6, 2018

All sessions will be held at **Hibbard Humanities Hall (HHH)**

Registration Room: 1st Floor Hallway by HHH 100

Student Retreat Room: HHH 322 (Available from 12.00-8.00 pm)

Book Exhibit: Room HHH 308

Refreshments/Coffee: HHH 312

Rooms	HHH 301	HHH 302	HHH 315	HHH 320
12:45-1:10	Mlyeon Kwon UW-Platteville <i>Applications of Linear Algebra in Calculus*</i>	Geoffrey Glover (Student Talk) UW-Eau Claire <i>Algebras associated with the Hasse graphs of polytopes</i>	Abraham Dickenson (Student Talk) UW-Eau Claire <i>A Statistical Analysis of (Re-)development Potential in Eau Claire County*</i>	Nicolas Larson, Chuqi Zheng (Student Talk) UW-Eau Claire <i>An Age-based Analysis of College-to-Career Paths*</i>
1:15- 1:40	Camille Felton (Student Talk) UW-Platteville <i>Roots of Complex Polynomials*</i>	Jennifer Szydlik, Stephanie Bernander and Jennifer Harrison UW Oshkosh and UW Eau Claire (50 minute talk)	Claudia De Valk, Matthew Lehnen (Student Talk) UW- Eau Claire <i>Analysis of the Solution Behavior of the Bernoulli Dynamic Equations on Time Scales*</i>	Jory Wagner, Tyler Gonzales, Haotian Wu, Carolyn Payne (Student Talk) UW-Eau Claire <i>Moduli spaces of low dimensional associative algebras*</i>
1:45-2:10	Leah Rappaport (Student Talk) Carthage College <i>Logical Propositions on Congruent Quadrilaterals*</i>	<i>Panel Discussion on Attracting and Preparing Math Teachers for Wisconsin*</i>	Nicholas Lydeen (Student Talk) UW-Eau Claire <i>Applying Neural Networks and Genetic Programming to the Game "Lost Cities"*</i>	James A Swenson UW-Platteville <i>Bias detection in electoral districting*</i>
2:15-2:40	Melissa Bingham UW-La Crosse <i>Using Bootstrapping to Measure Variability in 3-D Rotation Data*</i>	Mu-Ling Chang UW-Platteville <i>The Area of Rational Right Triangles*</i>	Tyler Gonzales, Austin Holmes (Student Talk) UW-Eau Claire <i>Efficient Erasure Reconstruction from Noisy Measurements*</i>	Bruce O'Neill Milwaukee School of Engineering <i>One Triangle to rule them All*</i>
2:45-3:10	Simei Tong UW-Eau Claire <i>Learning Mathematics Through Artistic Design*</i>	Corey Bruns UW-Whitewater (50 minute talk) <i>Measuring Starlight Deflection during the 2017 Eclipse: Completing the experiment that made Einstein famous*</i>	Tyler Skorczewski UW-Stout <i>Sports Analytics in Youth Archery*</i>	Whitney George UW-La Crosse <i>Directionality of the Equals Sign*</i>
3:15- 3:40	Wayne A Johnson UW-Platteville <i>Formal power series in representation theory*</i>		Ki-Suk Lee Korea National University of Education <i>Irreducibility of Galois Polynomials*</i>	Nathan Warnberg UW-La Crosse <i>Rainbow Progressions in Graphs*</i>
3:45-4:45	HHH 100 – Presentation by Deanna Haunsperger Carleton College (Invited Speaker) A Glimpse at the Horizon			
4:45-6:00	Davies – Dakota Ballroom Cash Bar and Reception			
5:00-6:00	Davies – Ojibwe C Student Contest: Face Off			
6:00-8:30	Davies – Dakota Ballroom Banquette, Awards and Presentation by Amy Parrott (2017 MAA-WI Distinguished Teaching Award) A journey towards continual teaching improvement			

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Saturday, April 7, 2018

8:00-8:50	HHH 310 – Wisconsin MAA Section Business Meeting				
Rooms	HHH 301	HHH 302	HHH 315	HHH 320	HHH 324
9:00 – 9:25	Keith Nabb, Kathy Tomlinson UW-River Falls <i>Number Talks in Undergraduate Mathematics*</i>	John Frohlinger St. Norbert College <i>Patterns in the Josephus Problem*</i>	John Beam UW- Oshkosh <i>Rubik's Not-a-Cube*</i>	<i>Andy Matchett (UW- La Crosse)</i> <i>Shrinking bubbles, surface tension, and bootstrap aggregating.*</i>	Bob Coffman UW-River Falls (50 minute talk) <i>The Duration of an Urn Game - Symmetry to the Rescue*</i>
9:30 – 9:55	Song Chen UW- La Crosse <i>Extracting business insight from text mining using simple math *</i>	Eric Kuennen UW-Oshkosh <i>The Earth, Sun and Moon in Ancient Greece*</i>	Michael Black and Leonida Ljumanovic UW-Platteville <i>Mathematical modeling club and contests for college students*</i>	Paul Martin UW Colleges Marathon County <i>Fast Converging rational Pi-Series with Guassian Integers*</i>	
10:00-10:25	Brady Miller (Student Talk) St. Norbert College <i>Above Average: Speed as it Relates to Position*</i>	Matt Seider (Student Talk) Lakeland University <i>Explorations in Three Player Nim*</i>	Andrew Giddings (Student Talk) UW-Platteville <i>Arithmetic Functions of Higher Order Prime-Indexed Primes *</i>	Molly Peteren, Jack Lazowski (Student Talk) UW-Eau Claire <i>Genome-wide Association Study*</i>	Chunping Xie Milwaukee School of Engineering <i>Continuous Additive Functions</i>
10:30- 10:55	Jeshanah Zolkowski (Student Talk) UW-Oshkosh <i>Mathematicians Inside Your Body *</i>	<i>Ioana Ghenciu UW-River Falls</i> <i>Stirling's Formula*</i>	Edward Kim UW-La Crosse (50 minute Talk) <i>An application of semi-definite programming to a "simple" linear algebra question *</i>	Robert F. Allen UW-La Crosse <i>Operator Theory of Discrete Function Spaces*</i>	Feroz Siddique UW-Barron County <i>Decomposition of Linear Transformation</i>
11:00-11:25	Alexandru Tupan UW River Falls <i>The Code Busters Challenge*</i>	Jenn Kosiak & Carrie Tirel UW-La Crosee, UW-Fox Valley <i>The UW System Math Initiative: An Overview*</i>		Noah Weiss Carthage College <i>Contract Bridge and Professional Bridge*</i>	
11:30-12: 30	HHH 100 – Presentation by MAA Section Visitor, Jennifer Quinn University of Washington Tacoma Epic Math Battles: Counting vs. Matching				
12:30–2:30	HHH 801-Penthouse – Section NExT Meeting				