

MAA Wisconsin Section Meeting April 21 and 22, 2017

Friday, April 21, 2017. All sessions will be held at the EMS Building (Engineering & Mathematical Sciences). Registration Room: EMS E424A, Student Retreat Room: EMS E495 (Available from 12.00-8.00 pm). Book Exhibit: Room EMS E408

| Rooms | EMS E145 | EMS E159 | EMS E225 | EMS E237 | EMS E295 |
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| 12:45-1:10 | <p>Fe Evangelista, Angela Harlan, Khyam Paneru, and Geethamali Samaranayake UW-Whitewater</p> <p><i>Development and Analysis of a Signature Assignment in a College Algebra Course*</i></p> | <p>Facility Unavailable at this time.</p> | <p>Ed Clemons UW-Oshkosh</p> <p><i>Developmental Math graduation rate and 2 year retention*</i></p> | <p>Songpon Sriwongsa <i>Student Talk</i> UW-Milwaukee</p> <p><i>Congruence Of Symmetric Inner Products Over Finite Commutative Rings Of Odd Characteristic*</i></p> | <p>Martin G. Vieten <i>Student Talk</i> UW-Milwaukee</p> <p><i>A Numerical Technique in Stochastic Control*</i></p> |
| 1:15- 1:40 | <p>Lee, Ki-Suk Korea National University of Education</p> <p><i>Classification of Galois polynomials*</i></p> | <p>Rachel Elizabeth TeWinkel <i>Student Talk</i> UW-Milwaukee</p> <p><i>A Small-World Network Epidemic Model with a Ring Vaccination Strategy*</i></p> | <p>R. Noah Padgett <i>Student Talk</i> UW-Whitewater</p> <p><i>Exploring Modular Arithmetic and Stochasticity to Measure Latent Variables*</i></p> | <p>Peter Sparks Marquette University</p> <p><i>Splitting Contractible Manifolds*</i></p> | <p>John Beam UW-Oshkosh</p> <p><i>Four Square Logic and Domino Computers Part 1*</i></p> |
| 1:45-2:10 | <p>Jason Belnap UW-Oshkosh</p> <p><i>Using Standards to Put the Math in Mathematics* (50 minute talk)</i></p> | <p>William H Langhoff <i>Student Talk</i> UW-Milwaukee</p> <p><i>Computational Neuroscience Modeling of Mate Finding Behavior in Copepods*</i></p> | <p>Rachel Chaphalkar and Angela Harlan UW-Whitewater</p> <p><i>Encouraging students to reflect on their learning through writing assignments*</i></p> | <p>Alex Grover <i>Student Talk</i> St. Norbert College</p> <p><i>Generalizing the Tower of Hanoi with Multiple Pegs*</i></p> | <p>Eric Kuennen UW-Oshkosh</p> <p><i>Four Square Logic and Domino Computers Part 2*</i></p> |
| 2:15-2:40 | | <p>Dr. Yu Hin (Gary) Au Milwaukee School of Engineering</p> <p><i>Combinatorics and Music -- On Per Nørgård's Infinity Series*</i></p> | <p>James Factor Alverno College</p> <p><i>GeoGebra Applets for Transforming Linear Algebra Education* (50 minute talk)</i></p> | <p>Hayley Bertrand <i>Student Talk</i> St. Norbert College</p> <p><i>Non-Existence of Uniformly Most Reliable Two-Terminal Networks*</i></p> | <p>Jonathan Kane UW-Madison</p> <p><i>Writing About Writing Proofs*</i></p> |
| 2:45-3:10 | <p>Thomas Stojavljevic UW-Milwaukee</p> <p><i>Global Sensitivity Analysis of a Phytoplankton Competition Model</i></p> | <p>Shubhangi Stalder UW-Waukesha</p> <p><i>Bringing "The Essence of Mathematics" in Developmental through College Algebra Courses* (50 minute talk)</i></p> | | <p>Brittany Sheahan <i>Student Talk</i> St. Norbert College</p> <p><i>Airy's Function and a Class of 2nd Order Linear Differential Equations*</i></p> | <p>Robert Calcaterra UW - Platteville</p> <p><i>Radical Solutions* (50 minute talk)</i></p> |
| 3:15- 3:40 | <p>Kenneth Price UW-Oshkosh</p> <p><i>Nonequivalent Gradings of Directed Graphs</i></p> | | <p>Amy C. Naborowski <i>Student Talk</i> Alverno College</p> <p><i>Activities for Transforming Linear Algebra Education with GeoGebra Applets*</i></p> | <p>Chance Browning <i>Student Talk</i> St. Norbert College</p> <p><i>Generalizations of the Josephus Problem*</i></p> | |
| 3:45-4:45 | <p>EMS E180 Presentation by Nigel Boston (Invited Address)</p> <p>"Unusual Applications of Algebra to Engineering**"</p> | | | | |

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| 4:45-6:45 | Cash Bar and Reception (The hallways on the first floor of the EMS building) | |
| 5:30-6:30 | EMS E180 Student Content: Face Off | |
| 6:45-7:00 | EMS E180 Awards | |

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Saturday, April 22, 2017

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|--------------|--|---|--|--|---|
| 8:00-8:50 | EMS E145 Wisconsin MAA Section Business Meeting | | | | |
| 8:55-9:55 | EMS E180 Presentation by section visitor Steve Kennedy (Invited Address) "Two Heads Are Better than None" | | | | |
| Rooms | EMS E145 | EMS E159 | EMS E225 | EMS E237 | EMS E295 |
| 10:00-10:25 | Melissa Bingham UW-La Crosse <i>A Permutation Test for Comparing Distributional Shape in Three-Dimensional Rotation Data Sets*</i> | Kristi Meyer Wisconsin Lutheran College <i>Standards-Based Grading in the Calculus Classroom*</i> | Simei Tong UW - Eau Claire <i>Display the beauty of mathematics through quilts*</i> (50 minute Talk) | Xiaoran Sun <i>Student Talk</i> UW-Stevens Point <i>Shock Waves*</i> | Landon Gauthier & Christopher Frayer <i>Student Talk</i> UW- Platteville <i>A Tale of Two Circles: Geometry of a Class of Quartic Polynomials*</i> |
| 10:30- 10:55 | Benjamin V.C. Collins UW- Platteville <i>Flipping the Precalculus Classroom*</i> | Nicholas Lydeen <i>Student Talk</i> UW - Eau Claire <i>An Application of Neural Networks to a Non-Deterministic Game of Imperfect Information*</i> | | Jennifer Szydluk UW-Oshkosh <i>Big Lessons Learned from Math Education Research*</i> | Alexander Heaton <i>Student Talk</i> UW-Milwaukee <i>SL(2,C) and Symmetries of Special Relativity*</i> |
| 11:00-11:25 | Amy Parrott UW-Oshkosh <i>Experiencing Mathematics from a Standards Perspective*</i> | Chris Ahrendt UW-Eau Claire <i>Exploration of the countably many bifurcations of the Riccati dynamic equations on a certain class of time scales*</i> | Chloe Collin <i>Student Talk</i> UW-Stevens Point <i>Carrier-Mediated Transport of Glucose*</i> | Nicolas Larson <i>Student Talk</i> UW - Eau Claire <i>A Statistical Analysis of the Effect of R on Student Learning in Probability*</i> | Grant Kopitzke <i>Student Talk</i> UW-Oshkosh <i>Special K: Congruences for the K-Regular Partition Function*</i> |
| 11:30-12:30 | EMS E180 Presentation by M. Matchett Wood (Invited Address) "From Primes to Particles" | | | | |
| 12:30-2:30 | EMS E159 Section NExT Meeting | | Graduate School Information Session - How to plan and apply for grad school (by UW-M) | | |