

Mathematical Association of America  
 MD-DC-VA Section, April 28-29, 2017  
 Frostburg State University – Frostburg, Maryland  
 Schedule of Speakers

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**Friday, April 28**

<b>Time</b>	<b>Location</b>	<b>Event</b>
<b>2:30 – 3:50</b>	152 Gira Center	<b>Section Officers Meeting</b>
<b>4:00 – 6:00</b>	156 Gira Center	<b>Workshop:</b> <i>How to Use as Much Inquiry as You're Comfortable with in Your Calculus Class</i> <b>Cassie Williams</b> James Madison University <b>Amy Ksir</b> United States Naval Academy <b>Mitch Keller</b> Washington and Lee University
<b>6:00 – 7:00</b>	Main Lobby Gira Center	<b>Registration</b>
<b>6:00 – 7:00</b>	397 Gira Center	<b>Reception</b>
<b>7:00 – 8:00</b>	397 Gira Center	<b>Welcoming Remarks</b> <b>Ahmad Tootoonchi</b> Interim Provost and Vice President of Academic Affairs Frostburg State University  <b>Banquet Dinner</b>
<b>8:00 – 9:00</b>	397 Gira Center	<b>Banquet Address:</b> <i>FAIL: A Mathematician's Apology</i> <b>Laura Taalman</b> James Madison University

## Schedule of Speakers

Saturday, April 29

*Saturday morning activities for Section NExT will be held in Room 245, Gira Center.*

Time	Location	Event
8:00 – noon	Main Lobby Gira Center	<b>Registration</b>
8:00 – 9:00	Main Lobby Gira Center	<b>Coffee / Tea / Water</b>
8:00 – 3:30	Main Lobby Gira Center	<b>MAA Book Sale</b>
8:10 – 8:30		<b>Contributed Papers, Session 1</b>
	223 Gira Center	Mark Branson, Stevenson University <i>Fighting Alternative Facts: Teaching Quantitative Reasoning with Social Issues</i>
	264 Gira Center	Bonita Saunders, National Institute of Standards and Technology (NIST) <i>Who Needs Standard Reference Tables on Demand?</i>
	286 Gira Center	Gerald de Jesus Roman-Gonzalez, Stevenson University <i>A Mathematical Analysis of Languages</i>
	333 Gira Center	Skyler Layton, Shenandoah University <i>Crossing Numbers of Complete Bipartite Graphs</i>
8:35 – 8:55		<b>Contributed Papers, Session 2</b>
	221 Gira Center	Frank Barnet, Frostburg State University <i>A Brief Geometrical Tour of Artificial Gravity in a Rotating Space Station</i>
	223 Gira Center	Amy Shell-Gellasch, Montgomery College <i>Smithsonian Learning Lab: An Introduction</i>
	264 Gira Center	Dani Harris, Longwood University <i>A Different MGM: Movies, Graphs, and Math</i>
	286 Gira Center	Taraneh Kelishadi, Montgomery College <i>An Attempt at Undergraduate Research in Combinatorial Game Theory</i>
	333 Gira Center	Prasad Senesi, The Catholic University of America <i>The Geometry of Voting Theory: Root Systems and Reversal Symmetry</i>
9:00 – 9:20		<b>Contributed Papers, Session 3</b>
	221 Gira Center	Edwin O’Shea, James Madison University <i>The Euclidean States of America: Geometry’s Influence on Lincoln</i>
	223 Gira Center	Elizabeth Brown, James Madison University Haley Dewey, James Madison University Aaron Fowlkes, James Madison University Jonathan Gerhard, James Madison University Richie Holden, James Madison University Sophie Mancini, James Madison University Alison Sall, James Madison University Cameron Stopak, James Madison University Nicole Sutherland, James Madison University <i>Field Report: Students as Instructors of Mathematics, Creators of</i>

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		<i>Community</i>
	264 Gira Center	Nicholas Tuck, Shenandoah University <i>Quantum Computing: Constructing Quantum Error Correcting Codes via Python</i>
	286 Gira Center	Jacob Mathews, Montgomery College <i>Mathematically Mitigating Risk and Optimizing Returns</i>
	333 Gira Center	Trevor Karn, United State Naval Academy <i>The Flag Counting Problem for Partition Lattices</i>
<b>9:25 – 9:45</b>		<b>Contributed Papers, Session 4</b>
	221 Gira Center	Bud Brown, Virginia Tech <i>Ten Mathematical Landmarks, 1967-2017</i>
	223 Gira Center	Jessica OShaughnessy, Shenandoah University <i>Town Hall Research Projects in Introductory Statistics</i>
	264 Gira Center	Abdinur Ali, Norfolk State University <i>Application of Cycle-Free Graphs for Data Security in Large Distributed Systems</i>
	286 Gira Center	Ming Fang, Norfolk State University <i>Use Calculus to Investigate Price Yield Function</i>
	333 Gira Center	Jim Blowers <i>Polynomial Equations and Tangents</i>
<b>9:55 – 11:05</b>	218 Dunkle Hall	<b>Welcoming Remarks</b> <b>Marc Michael</b> Chair of the Department of Mathematics, Frostburg State University  <b>Invited Address: <i>A Voyager from the Fourth Dimension</i></b> <b>Paul Humke</b> St. Olaf College and Washington & Lee University
<b>11:15–12:15</b>	218 Dunkle Hall	<b>Meeting of the General Membership</b>
<b>11:15-12:15</b>	333 Gira Center	<b>Association for Women in Mathematics (AWM) Event</b> <b>Workshop for Students: <i>A Magical Number</i></b> <b>Alissa Crans</b> Loyola Marymount University
<b>11:15–12:15</b>	397 Gira Center	<b>Radical Dash Teams First Meeting</b>
<b>12:15 – 1:00</b>	Main Lobby Gira Center	<b>LUNCH</b>
<b>12:15 - 1:00</b>	397 Gira Center	<b>AWM Luncheon</b>
<b>1:00 – 2:00</b>	218 Dunkle Hall	<b>Student Jeopardy Competition</b>
<b>2:00 – 3:00</b>	Main Lobby Gira Center	<b>Coffee / Tea / Water</b>
<b>2:10 – 3:00</b>	2 <sup>nd</sup> Floor Corridor Gira Center	<b>Student Poster Session</b> See Poster Session Schedule for a List of Presenters
<b>2:10 – 3:25</b>	397 Gira Center	<b>Radical Dash Final Event</b> (20 minutes per team, schedule determined at the first meeting earlier in the day)

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<b>2:25 – 2:45</b>		<b>Contributed Papers, Session 5</b>
	221 Gira Center	Jason Rosenhouse, James Madison University <i>The Saga of the Hardest Logic Puzzle Ever</i>
	223 Gira Center	David Taylor, Roanoke College Hannah Robbins, Roanoke College <i>Curing the High DFW Rate in First Year Calculus</i>
	245 Gira Center	Aranje Sripanjalingam, Montgomery College <i>Perspectives on Boolean Algebra</i>
	264 Gira Center	Laxman Hegde, Frostburg State University <i>Fisher's Information</i>
	286 Gira Center	Volkan Bakirdan, James Madison University Ben Rhodes, James Madison University <i>JMU COMAP: The Kariba Dam</i>
	333 Gira Center	El Hadji Ibrahima Ndiaye, Montgomery College <i>Perspective of a Calculus Student: A Fluid Mechanics Model</i>
<b>2:50 – 3:10</b>		<b>Contributed Papers, Session 6</b>
	221 Gira Center	Dan Kalman, American University Donna Dietz, American University John Nolan, American University <i>Game of Stones: Knight's Tour</i>
	223 Gira Center	Justin Dunmyre, Frostburg State University <i>Quick and Easy Random Groups</i>
	245 Gira Center	Hongwei Chen, Christopher Newport University <i>Evaluation of Euler Sums by Euler's Beta Function</i>
	264 Gira Center	Chelsey Clement, Salisbury University <i>Artificial Intelligence Research on Type One Diabetes Data Using Statistical Software Package R</i>
	286 Gira Center	Roland Minton, Roanoke College <i>Sports Referees and Cognitive Illusions</i>
	333 Gira Center	Amanda Shultz, Shenandoah University <i>Building an Automatic License Plate Reader Using Geometric Comparisons</i>
<b>3:15 – 3:35</b>		<b>Contributed Papers, Session 7</b>
	221 Gira Center	Donna Dietz, American University <i>"Dangers" and Surprises of Secret Gift-Giving Games</i>
	223 Gira Center	G. Gerard Wojnar, Frostburg State University <i>Following Richard Guy – Treats from a Triangle's Orthocentric System's Fermat-Torricelli Points!</i>
	245 Gira Center	Rachel Grotheer, Goucher College <i>Finding the Right Foundation: Three Methods for Basis Generation in the Reduced Basis Method</i>
	264 Gira Center	Randall E. Cone, Salisbury University <i>Getting an Assist: Artificial Intelligence in Mathematics</i>
	286 Gira Center	Ray Cheng, Old Dominion University <i>The Pythagorean Comma</i>
<b>3:45 – 4:40</b>	218 Dunkle Hall	<b>Invited Address: Frosting Fairness, Finally!</b>

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		<b>Alissa Crans</b> Loyola Marymount University
<b>4:45 - 5:00</b>	218 Dunkle Hall	<b>Undergraduate Prize Session</b> Including Radical Dash