

Mathematical Association of America
 MD-DC-VA Section, April 12-13, 2019
 Frederick County Community College
 and Hood College, Frederick, Maryland
 Schedule of Speakers

Friday, April 12.

All Friday events are at Hood College.

Time	Location	Event
2:30 – 3:50	220 Whitaker Campus Center	Section Officers Meeting
4:00 – 6:00	131 Hodson Science and Technology Center	Workshop: <i>Smithsonian Learning Lab: A Hands-On Workshop</i> Amy Shell-Gellasch Eastern Michigan University
6:00 – 7:00	First Floor Atrium Whitaker Campus Center	Registration
6:00 – 7:00	Second Floor Whitaker Campus Center	Reception
7:00 – 8:00	Whitaker Campus Commons, First Floor, Whitaker Campus Center	Welcoming Remarks Andrea Chapdelaine President, Hood College Banquet Dinner
8:00 – 9:00	Whitaker Campus Commons, First Floor, Whitaker Campus Center	Banquet Address: <i>e in a Box of Cereal: Surprising Places to Find Exponentials and Logarithms in Everyday Life</i> Brian Lins Hampden-Sydney College

Schedule of Speakers

Saturday, April 13.

All Saturday events are at Frederick County Community College.

Saturday morning activities for Section NExT will be held in Room 106, Braddock Hall .

Time	Location	Event
8:00 – noon	Catoctin Hall First Floor Atrium	Registration
8:00 – 9:00	Catoctin Hall First Floor Atrium	Coffee / Tea / Water
8:00 – 3:30	Catoctin Hall First Floor Atrium	MAA Book Sale
8:10 – 8:30		Contributed Papers, Session 1
	Braddock Hall 112	Marshall Gordon <i>Textbook Presentations and Student Inquiry—Bridging the Divide</i>
	Braddock Hall 111	Alfred Beebe, Salisbury University <i>Pythagorean Triples</i>
	Braddock Hall 102	Jia Wan, Randolph College <i>Using Programming Tools in Introductory Mathematics Classes at a Liberal Arts College</i>
	Braddock Hall 110	Kyle Morien, Shenandoah University <i>Modelling the Potential Energy of a Piece of Paper</i>
	Braddock Hall 103	Martha Hartt, Randolph-Macon College <i>A Proof of Bertrand’s Postulate</i>
8:35 – 8:55		Contributed Papers, Session 2
	Braddock Hall 112	Jill Tysse, Hood College <i>Using R Studio Cloud and the Mosaic Package in an Introductory Statistics Class for Math Majors: Lessons Learned so Far</i>
	Braddock Hall 111	Steven Hetzler, Robert Barber, Salisbury University Holistic Approach to Business Calculus
	Braddock Hall 102	Rachel Grotheer, Goucher College <i>Streaming Isn’t Just for Netflix: How to Deal with Corrupt Signals in Medical Imaging</i>

Schedule of Speakers

	Braddock Hall 110	Maria Cummings, Randolph-Macon College <i>Investigations into the Discrete Arithmetic-Geometric Mean</i>
	Braddock Hall 103	Maxwell Stribula, Shenandoah University <i>Why was Six Afraid of Seven?</i> <i>Because Six had Math Anxiety!</i>
9:00 – 9:20		Contributed Papers, Session 3
	Braddock Hall 112	Laura Taalman, James Madison University <i>Hands-on Discovery Math with 3D Design</i>
	Braddock Hall 111	Eric Murphy, Old Dominion University <i>A Modern Approach to Identifying Bottlenecks in a Queueing System for a Non-Profit Organization</i>
	Braddock Hall 102	Danealia Simmons, Shenandoah University <i>Catching a Killer: The Mathematics Behind Geographical Profiling</i>
	Braddock Hall 110	Elizabeth Beller, Shenandoah University <i>The Fibonacci Sequence in Music</i>
	Braddock Hall 103	Elen Khachatryan, Randolph-Macon College <i>Riemann Hypothesis: The Zeta Function and its Trivial Zeros</i>
9:25 – 9:45		Contributed Papers, Session 4
	Braddock Hall 112	Minah Oh, James Madison University <i>Using Mathematics to Solve Real-World Problems</i>
	Braddock Hall 111	Abdinur Ali, Mushtaq Khan, Norfolk State University <i>Emulation and Quantum Cryptography</i>
	Braddock Hall 102	Ryan Rhoades, St. Mary's College of Maryland <i>Exploration of the Inverse Galois Problem Using SageMath</i>
	Braddock Hall 110	Ming Fang, Norfolk State University <i>Choose Initial Value for Newton's Method</i>
	Braddock Hall 103	Hongwei Chen, Christopher Newport University <i>A Real Variable Proof for an Intriguing Log-Cosine Integral</i>

Schedule of Speakers

9:55 – 11:05	Student Center Cougar Grille Room 115L	<p>Welcoming Remarks Dr. Brian Stipleman Associate Vice President for Academic Affairs and Dean of Arts and Sciences Frederick Community College</p> <p>Invited Address: <i>Splendor in the Graphs</i> Jennifer Beineke Western New England University</p>
11:15–12:15	Student Center Cougar Grille Room 115L	Meeting of the General Membership
11:15–12:15	Conference Center Room 126 ABC	Radical Dash Teams First Meeting
12:15 – 1:00	Student Center Cougar Grille Room 115L	LUNCH
12:15 – 1:00	Braddock Hall 106	Section NExT Lunch, open to all current and prior members of Section NExT
1:00 – 2:00	Student Center Cougar Grille Room 115L	Student Jeopardy Competition
2:00 – 3:00	Catoctin Hall First Floor Atrium	Coffee / Tea / Water
2:10 – 3:00	Braddock Hall Second Floor Math Lounge	<p>Student Poster Session See Poster Session Schedule for a List of Presenters</p>
2:10 – 3:25	Conference Center Room 126 ABC	Radical Dash Final Event (20 minutes per team, schedule determined at the first meeting earlier in the day)
2:25 – 2:45		Contributed Papers, Session 5
	Braddock Hall 112	<p>Ray Cheng, Old Dominion University <i>A Fun Exercise in Probability</i></p>

Schedule of Speakers

	Braddock Hall 111	Mary Walkins, The Community College of Baltimore County <i>Contemplative Practices: Breathe and Behold the Mathematics</i>
	Braddock Hall 102	Jeb Collins, University of Mary Washington <i>A Posteriori Error Estimation for the Spectral Deferred Correction Method</i>
	Braddock Hall 110	Kyler Crank, St. Mary's College of Maryland <i>Modeling Poetic Thought with the Bolzano-Weierstrass Theorem</i>
	Braddock Hall 103	Mariel Santos, St. Mary's College of Maryland <i>Carpenter Ant Grooming Rates</i>
2:50 – 3:10		Contributed Papers, Session 6
	Braddock Hall 112	Garrett Fowler, Salisbury University <i>Conjecture O Holds for Some Horospherical Varieties Of Picard Rank 1.</i>
	Braddock Hall 111	Susan Goldstine, St. Mary's College of Maryland <i>Color Swaps in Mosaic Knitting</i>
	Braddock Hall 102	Alfred Williams, Jennifer Kirk, Kristen Locker, James Madison University <i>Modeling Shock-Associated Noise using the Parker Sochacki Method</i>
	Braddock Hall 110	Dan Kalman, American University <i>A Social Security Math Problem</i>
	Braddock Hall 103	Will Hankins, St. Mary's College of Maryland <i>Constant Negative Curvature Non-Orientable Surfaces</i>
3:15 – 3:35		Contributed Papers, Session 7
	Braddock Hall 112	Kayla Alderman, Shenandoah University <i>Impact of Heat on Heart Rate</i>
	Braddock Hall 111	Randall Helmstutler, University of Mary Washington <i>Circulant Matrices in Non-Commutative Cryptography</i>

Schedule of Speakers

	Braddock Hall 102	Ryan Shifler, Erika Gerhold, Salisbury University <i>Calculus Readiness</i>
	Braddock Hall 110	Gabe Feinberg, Washington College <i>Fully Commutative Elements in Coxeter Groups and Complex Reflection Groups</i>
	Braddock Hall 103	Will Traves, U. S. Naval Academy <i>An Invariant Version of the Power of a Point Theorem</i>
3:45 – 4:40	Conference Center Room 126 ABC	Invited Address: Seeing the (Game) Trees for the Forest Brant Jones James Madison University
4:45 - 5:00	Conference Center Room 126 ABC	Undergraduate Prize Session Including Radical Dash