

Mathematical Association of America
 MD-DC-VA Section, November 17 & 18, 2017
 Christopher Newport University – Newport News, VA
 Schedule of Speakers

Friday, November 17

Time	Location	Event
2:30 – 3:50	DSU Jefferson Room	Section Officers Meeting
4:00 – 6:00	Luter Room 372	Workshop: <i>The MAA's Instructional Practices Guide: Making Use of a New Resource</i> Elizabeth Burroughs Montana State University
6:00 – 7:00	DSU Pre-Function Lobby	Registration
6:00 – 7:00	DSU Ballroom	Reception
7:00 – 8:00	DSU Ballroom	Welcoming Remarks Nicole Guajardo, Dean, College of Natural & Behavioral Sciences Christopher Newport University Banquet Dinner
8:00 – 9:00	DSU Ballroom	Banquet Address: <i>The Power of Mathematics Teaching in the Age of Alternative Facts</i> David Kung St. Mary's College of Maryland

Schedule of Speakers

Saturday, November 18

Saturday activities for Section NExT will be held in Luter Hall 376.

Time	Location	Event
8:30 – 12:00	Luter Main Lobby	Registration
8:30 – 3:30	Luter Main Lobby	MAA Book Sale
8:30 – 9:20	Luter Main Lobby	Coffee / Tea / Water
8:50 – 9:10		Contributed Papers, Session 1
	Luter 137	Brant Jones, James Madison University <i>An Easy Proof of Quadratic Reciprocity for an Undergraduate Number Theory Course</i>
	Luter 142	Cherng-tiao Perng, Norfolk State University <i>Gordan, Ville, and von Neumann's Minimax Theorem</i>
	Luter 170	Susan Goldstine, St. Mary's College of Maryland <i>Knitting Symmetries: Preliminary Needling</i>
	Luter 242	Ming Fang, Norfolk State University <i>Efficient Frontiers with Personal Preference</i>
	Luter 264	Marshall Gordon <i>Revisiting "The Problem of Learning to Teach"</i>
	Luter 269	Bob Sachs, George Mason University <i>The I Road to Higher Mathematics -- Promoting Inquiry as Part of Mathematical Maturity</i>
9:15 – 9:35		Contributed Papers, Session 2
	Luter 137	Nathan R Carrington, Virginia State University <i>Game-Theoretical Analysis for Networked Systems</i>
	Luter 142	Jessica Dixon, Washington College <i>Coxeter Groups, Dyck Paths and the Catalan Numbers</i>
	Luter 170	Brae Fletcher, Virginia State University <i>Game Theory</i>
	Luter 242	Michael Wallace, U.S. Naval Academy <i>Innovations to Increase the Power of State-of-the-Art Graph-Theoretic Two-Sample Statistical Tests</i>
	Luter 264	Isaac Woods, Christopher Newport University <i>Chaotic Dynamics in a Family of Set-Valued Functions</i>
	Luter 269	David Taylor, Roanoke College <i>Classroom Stats: Spice Up Your Classroom with Fun, Live, Data Collection and Analysis</i>
9:45 – 10:55	McMurrin Hall Room 101	Welcoming Remarks Chris Kennedy, Chair, Department of Mathematics Christopher Newport University

Schedule of Speakers

		Invited Address: <i>The Geometry of Cubes</i> Francis Su Harvey Mudd College
11:05 – 11:25		Contributed Papers, Session 3
	Luter 137	Ryan Shifler, Salisbury University <i>Curve Neighborhoods of the Odd Symplectic Grassmannian</i>
	Luter 142	Sara Malec, Hood College <i>Continued Fractions and Semigroup Generators</i>
	Luter 170	Jason Rosenhouse, James Madison University <i>Lewis Carroll on Solving Sorites</i>
	Luter 242	Abdinur Ali, Norfolk State University <i>Malware Analysis with Finite Ordered Trees</i>
	Luter 264	Brian Heinold, Mount St. Mary's University <i>Exercises for a Numerical Methods Course</i>
	Luter 269	Eve Torrence, Randolph-Macon College <i>Platonic Hypar Zonohedra</i>
11:30 – 11:50		Contributed Papers, Session 4
	Luter 137	Hongwei Chen, Christopher Newport University <i>On a New Integer Sequence</i>
	Luter 142	Christina Osborne, University of Virginia <i>Old and New Chain Rules</i>
	Luter 170	Laura Taalman, James Madison University <i>Math as Design Engine: Leveraging Mathematics to Create 3D Printed Art</i>
	Luter 242	Maila Brucal-Hallare, Norfolk State University <i>Wave-like Entire Solutions to Lattice Differential Systems with a Single Defect</i>
	Luter 264	Chris Lee, Roanoke College <i>Mastery Based Testing – An Introduction and Observations from Implementation in a Variety of Levels of Mathematics Courses</i>
	Luter 269	Bruce Torrence, Randolph-Macon College <i>Finding Fibonacci with Engel's Stochastic Abacus</i>
12:00 – 1:00	Luter 321 Atrium	LUNCH
1:10 – 1:55	McMurrin Hall Room 101	Meeting of the General Membership
2:05 – 3:05	McMurrin Hall Room 101	Invited Address: <i>Revisiting what Euler and the Bernoullis Knew about Convergent Infinite Series</i> James Sellers Penn State University
3:00 – 4:00	Luter Main Lobby	Coffee / Tea / Water
3:15 – 3:35		Contributed Papers, Session 5
	Luter 137	Jack Love, George Mason University <i>Stable Limits of Polygon Spaces</i>

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	Luter 142	Zheng Tong, Christopher Newport University <i>Equilibrants of Matrices</i>
	Luter 170	Spencer Hamblen, McDaniel College <i>Mastery-Based Grading in Intro to Proofs</i>
	Luter 264	Stephen Morse, George Mason University <i>In-place Excel Macros for Gauss Elimination</i>
	Luter 269	Daniel Showalter, Eastern Mennonite University <i>Improving Retention of Underrepresented STEM Majors through Embedded Tutoring</i>
3:40 – 4:00		Contributed Papers, Session 6
	Luter 137	Alatheia Jensen, George Mason University <i>Self-Polar Polytopes</i>
	Luter 142	Alex Meadows, St. Mary's College of Maryland <i>Vennim!</i>
	Luter 170	Emad Abdurasul, James Madison University <i>Small Sample Confidence Intervals for the Kaplan-Meier Estimators under the Proportional Hazards Model</i>
	Luter 242	Matthew A Morena, Christopher Newport University <i>Signature Functions for Predicting Resonant and Attenuant Population Cycles</i>
	Luter 264	Alice Petillo, Marymount University <i>Just-in-Time Remediation for Liberal Arts Classes</i>
	Luter 269	Heather Rollins, University of West Florida <i>A Walk through the Garden: Open Problems</i>
4:05 – 4:25		Contributed Papers, Session 7
	Luter 137	Brian Bradie, Christopher Newport University <i>On a Weighted Sum of Fibonacci Numbers</i>
	Luter 142	Ana Vivas-Barber, Norfolk State University <i>Implications of Media Coverage on the Dynamics of Influenza Transmission</i>
	Luter 242	Ashlee Edwards, Old Dominion University <i>Traveling Salesman Problem: Around the Globe</i>
	Luter 264	Matvey Yutin, George Mason University <i>Spectral Analysis of the Graph Laplacian on Homogeneous Trees</i>
	Luter 269	Minah Oh, James Madison University <i>Grad, Curl, and Div on Axisymmetric Domains</i>