Mathematical Association of America
MD-DC-VA Section, April 12-13, 2013
Salisbury University – Salisbury, Maryland
Schedule of Speakers

Friday, April 12

Friday activities for Section NExT will be held in Henson Hall, Room 123.

Time	Location	Event
4:00 – 5:30	Dean's Conf. Room Henson Hall Second Floor	**Section Officers Meeting**
4:00 – 6:00	150 Henson Hall	**Workshop:** *Teaching with Classroom Voting and Clickers* **Jean McGivney-Burelle** University of Hartford **Ann Stewart** Hood College
6:00 – 7:00	Lobby SU Commons	**Registration**
6:00 – 7:00	The Bistro SU Commons	**Reception**
7:00 – 8:00	The Bistro SU Commons	**Welcoming Remarks** Dr. Diane Allen, Provost Salisbury University **Banquet Dinner**
8:00 – 9:00	The Bistro SU Commons	**Banquet Address:** *Knights, Knaves, Normals, and My Nephew* **Jason Rosenhouse** James Madison University

Saturday, April 13

Saturday morning activities for Section NExT will be held in Henson Hall, Room 123.
Rooms 105, 117 and 119 in Henson Hall can be used as a lounge area, especially for students, anytime during the day Saturday.

Time	Location	Event
8:00 – noon	Lobby Henson Hall	**Registration**
8:00 – 9:00	Lobby Henson Hall	**Coffee / Tea / Water**
8:00 – 3:30	Lobby Henson Hall	**MAA Book Sale**
8:10 – 8:30		**Contributed Papers, Session 1**
	103 Henson Hall	Randy Cone, Virginia Military Institute Jon Scott, Montgomery College *Building a Community: The American Mathematics Competititons*
	107 Henson Hall	Brian Heinold, Mount St. Mary's University *Some Different Applications of Logarithms*

	109 Henson Hall	Student: Michael Ladas, Montgomery College *Modeling the Belousov-Zhabotinsky Reaction*
	111 Henson Hall	Student: Joshua Kaminsky, St. Mary's College of Maryland *A Different Type of Polygon*
	113 Henson Hall	Madelyn Windley, George Washington University *African-Americans in Mathematics: Geniuses Lost in the Shuffle*
	115 Henson Hall	Jennifer Galovich, St. John's University and Virginia Tech *Mathematical Modeling for the (Mathematically) Faint of Heart*
8:35 – 8:55		**Contributed Papers, Session 2**
	103 Henson Hall	Randy Cone, Virginia Military Institute Jon Scott, Montgomery College *Building a Community: A Panel Discussion*
	107 Henson Hall	Wendy Hageman Smith, Longwood University *Leveraging NOVA and BBC-produced Popular Math Videos into the History of Math Curriculum to Enhance Accessibility and Student Engagement*
	109 Henson Hall	Student: Carrie Winterer, St. Mary's College of Maryland *What do Math and LEGOs Have in Common?*
	111 Henson Hall	Aurelia Minut, United States Naval Academy *Nonlinearity in Fiber Bragg Gratings*
	113 Henson Hall	Godfred Yamoah, Norfolk State University *A Time Control Scheme for Richards' Equation*
	115 Henson Hall	Student: Caroline VanBlargan, St. Mary's College of Maryland *Finding a Mirror and Projection in Mathematical Imaging*
9:00 – 9:20		**Contributed Papers, Session 3**
	103 Henson Hall	Randy Cone, Virginia Military Institute Jon Scott, Montgomery College *Building a Community: A Panel Discussion*
	107 Henson Hall	Tauqir Bibi, South University *Using Online Discussion Forums to Enhance Student Engagement*
	109 Henson Hall	Student: Lisa Borum, Randolph-Macon College *Pebbling Samurai Sudoku and Chessboard Graphs*
	111 Henson Hall	Student: Anna Tuck, UNC-Greensboro *Population Dynamics Model with Logistic Growth, Weak Allee Effect, and Grazing on an Interior Patch*
	113 Henson Hall	Cherng-Tiao Perng, Norfolk State University *Meta-Walk: A Journey of Discovery and Rediscovery*
	115 Henson Hall	Student: Eleanor Hankins, St. Mary's College of Maryland *Constructing Hedgeworms: A Union of Line Segments through each Point of Concave Curve with Hausdorff Dimension One*
9:25 – 9:45		**Contributed Papers, Session 4**
	103 Henson Hall	Bonita Saunders, National Institute of Standards and Technology Bruce Miller, National Institute of Standards and Technology Marjorie McClain, National Institute of Standards and Technology Daniel Lozier, National Institute of Standards and Technology *DLMF Live! Tables: NIST Digital Library of Mathematical Functions Tables Project*

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	107 Henson Hall	Edwin O'Shea, James Madison University *The Utility and Practice of the Daily Quiz*
	109 Henson Hall	Student: Greg Gibbons, Virginia Military Institute Student: Alex Lin, Virginia Military Institute Student: Narathip Khanhansuk, Virginia Military Institute *Situation Theory and Mathematical Modeling for Strategic Freshwater Management*
	111 Henson Hall	Thomas Sibley, St. John's University and College of St. Benedict *When is a Cube like a Tetrahedron?*
	113 Henson Hall	Abdinur Ali, Norfolk State University Mushtaq Khan, Norfolk State University *Computational Modeling of Photonic Crystal Band Gap Fibers*
	115 Henson Hall	Greg Hartman, Virginia Military Institute *APEX Calculus: The Open Source Calculus Textbook Project*
9:55 – 11:05	156 Purdue Hall	**Welcoming Remarks** Karen Olmstead, Henson School Dean Salisbury University **Invited Address:** *Proving the Impossible* **John Hamman** Montgomery College
11:15–12:05	156 Purdue Hall	**Meeting of the General Membership**
11:15–12:05	103 Henson Hall	**Radical Dash Teams First Meeting**
12:15 – 1:00	Dining Hall SU Commons	**LUNCH**
1:00 – 2:00	156 Purdue Hall	**Student Jeopardy Competition**
2:00 – 3:00	Lobby Henson Hall	**Coffee / Tea / Water**
2:10 – 3:25		**Radical Dash Final Event** (20 minutes per team, schedule determined at the first meeting earlier in the day)
2:10 – 3:00	Food Court Henson Hall	**Student Poster Session** See Poster Session Schedule for a List of Presenters
2:15 – 2:35		**Contributed Papers, Session 5**
	103 Henson Hall	Ezra "Bud" Brown, Virginia Tech *From Points of Inflection to Bones of Contention: The Birth of Finite Geometries, Block Designs, and Normed Algebras*
	107 Henson Hall	Alexander Halperin, Lehigh University *H-linked Graphs with Prescribed Length*
	109 Henson Hall	Student: Heather Cook, Roanoke College *Surviving an Outbreak of Zombie Dice: An Optimal Play Strategy*
	111 Henson Hall	Jathan Austin, Salisbury University *Further Explorations in Counting and Divisibility for Undergraduate Mathematics*
	113 Henson Hall	Spencer Hamblen, McDaniel College *Primes in Iterations of $z^d + c$*

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	115 Henson Hall	Student: Dan Carroll, St. Mary's College of Maryland *Geometry of Discrete Curves, Part I*
	123 Henson Hall	Student: Meg Protzman, McDaniel College *Functional Dependence Between Boolean Variables*
2:40 – 3:00		**Contributed Papers, Session 6**
	103 Henson Hall	Adrian Rice, Randolph-Macon College *Commutativity and Collinearity: A Fundamental Connection Between Pappus and Diophantus*
	107 Henson Hall	Ming Fang, Norfolk State University *Application of Geometric Series to Financial Problems*
	109 Henson Hall	Student: Kristin Strand, Virginia State University *Existence of Geometric Triple Systems*
	111 Henson Hall	Amy Shell-Gellasch, Hood College *When a Number System Loses Uniqueness: The Case of the Maya*
	113 Henson Hall	Robert Sachs, George Mason University *Beyond BC Calculus: An Inquiry-Driven Calculus Enrichment Course*
	115 Henson Hall	Ivan Sterling, St. Mary's College of Maryland *Geometry of Discrete Curves, Part II*
	123 Henson Hall	Student: Traymon Beavers, James Madison University *Graphs from Beyond the Grave: A Self-Stabilizing Algorithm for Double Domination*
3:05 – 3:25		**Contributed Papers, Session 7**
	103 Henson Hall	Keith Mellinger, University of Mary Washington *Eigentriads – A Musical Offering*
	107 Henson Hall	Ilhan Izmirli, George Mason University *Wittengstein was a Social Constructivist*
	109 Henson Hall	Student: Sara Brooks, Christopher Newport University Student: Ashley Marzzarella, Christopher Newport University Student: Alyssa Walzak, Christopher Newport University Student: Gretchen Jewell, Christopher Newport University *Monster Math Club*
	111 Henson Hall	Brian Lins, Hampden-Sydney College *e in a Box of Cereal*
	115 Henson Hall	Emek Kose, St. Mary's College of Maryland *Geometry of Discrete Curves, Part III: Geometric Splining*
	123 Henson Hall	Student: Michael Varghese, Montgomery College *Deflection of a Beam*
3:35 – 4:30	156 Purdue Hall	**Invited Address:** *Surviving an Outbreak of Zombiism* **Robert Allen** University of Wisconsin, La Crosse
4:35 - 4:50	156 Purdue Hall	**Undergraduate Prize Session** Including Radical Dash