

Mathematical Association of America  
 MD-DC-VA Section, April 13-14, 2012  
 Stevenson University, Owings Mills Campus  
 Schedule of Speakers

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**Friday, April 13**

<b>Time</b>	<b>Location</b>	<b>Event</b>
<b>2:30 – 3:45</b>	Brown School of Business 300	<b>Section Officers Meeting</b>
<b>4:00 – 6:00</b>	Rockland Center A	<b>Workshop:</b> <i>Closer to Fair: Social Justice in Mathematics, Mathematics for Social Justice</i> <b>David Kung</b> St. Mary's College of Maryland
<b>6:00 – 7:00</b>	Rockland Center 2 <sup>nd</sup> floor lobby	<b>Registration</b>
<b>6:00 – 7:00</b>	Rockland Center 2 <sup>nd</sup> floor lobby	<b>Reception</b>
<b>7:00 – 8:00</b>	Rockland Center Banquet Room	<b>Welcoming Remarks</b> Paul Lack, Dean and Executive Vice President for Academic Affairs Stevenson University <b>Banquet Dinner</b>
<b>8:00 – 9:00</b>	Rockland Center Banquet Room	<b>Banquet Address:</b> <i>Mathematical Recreations and the History of American Mathematics</i> <b>Peggy Aldrich Kidwell</b> Smithsonian Institution

## Schedule of Speakers

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**Saturday, April 14**

*Saturday activities for Section NExT will be held in Brown School of Business 301.*

<b>Time</b>	<b>Location</b>	<b>Event</b>
<b>8:00 – noon</b>	Brown School of Business 2 <sup>nd</sup> floor lobby	<b>Registration</b>
<b>8:00 – 9:00</b>	Brown School of Business 2 <sup>nd</sup> floor lobby	<b>Coffee/Tea/Water</b>
<b>8:00 – 3:30</b>	Brown School of Business 2 <sup>nd</sup> floor lobby	<b>MAA Book Sale</b>
<b>8:20 – 8:40</b>	Brown School of Business	<b>Contributed Papers, Session 1</b>
	<b>302</b>	Melanie Butler, Mount St. Mary's University <i>Using Service Learning in Mathematics Courses</i>
	<b>303</b>	Student: Angela Rose, Salisbury University Student: Erika Gerhold, Salisbury University <i>Anamorphic Art with a Tilted Cylinder</i>
	<b>304</b>	Kathryn Linehan, Montgomery College <i>Singular Value Decomposition and Cool Applications</i>
	<b>305</b>	Student: Ke Shang, Hampden-Sydney College <i>Mathematical Analysis and Synthesis of Musical Waveforms</i>
	<b>307</b>	Student: Alexia Gourley, Christopher Newport University <i>Structure Constants of <math>U(\mathfrak{sl}_2)</math></i>
<b>8:45 – 9:05</b>	Brown School of Business	<b>Contributed Papers, Session 2</b>
	<b>302</b>	Student: Jared Meadows, Roanoke College <i>Something About Not Knowing Which Game You Are Playing</i>
	<b>303</b>	John Hamman, Montgomery College <i>New Directions in Developmental Math</i>
	<b>304</b>	David Carothers, James Madison University <i>Every Proof is a Proof by Picture (In honor of G. Edgar Parker on the occasion of his retirement.)</i>
	<b>305</b>	Student: Erik Schafer, Hampden-Sydney College <i>Musical Rendering of Mathematical Objects</i>
	<b>307</b>	Caren Diefenderfer, Hollins University <i>MAA Tensor and Dolciani Grant Programs</i>
	<b>401</b>	Student: Roy Snyder, St. Mary's College of Maryland Student: Dana Savage, St. Mary's College of Maryland <i>Forecasting Tennis Matches Through Stochastic Markov Chains</i>

## Schedule of Speakers

<b>9:10 – 9:30</b>	Brown School of Business	<b>Contributed Papers, Session 3</b>
	<b>302</b>	Ezra Brown, Virginia Tech <i>Sums of eight squares, the octonions, and (7,3,1)</i>
	<b>303</b>	Student: Sophie Gorman, The Catholic University of America <i>Geometrical Representation of Election Results</i>
	<b>304</b>	Laura Taalman, James Madison University <i>16 is not enough: The minimal-clue conjecture for Sudoku</i>
	<b>305</b>	Student: Jay Strosnider, Hampden-Sydney College <i>Non Odd-Weighted Payoffs in the Path-Guessing Game</i>
	<b>307</b>	Jerome Dancis, University of Maryland <i>Needed courses, with Stress On Analytical Reasoning (SOAR)</i>
<b>9:45 – 11:00</b>	Rockland Center Banquet Room	<b>Welcoming Remarks</b> Edwin Lo, Chair of the Department of Math and Physical Science Stevenson University  <b>Invited Address:</b> <i>Cracking the Cubic: Cardano, Controversy, and Creasing</i> <b>Alissa Crans</b> Loyola Marymount
<b>11:10–12:00</b>	Rockland Center Banquet Room	<b>Meeting of the General Membership</b>
<b>11:10–11:50</b>	Brown School of Business 1 <sup>st</sup> floor lobby	<b>Radical Dash Teams 1<sup>st</sup> meeting</b>
<b>12:15 – 1:00</b>	Rockland Center Marketplace	<b>LUNCH</b>
<b>1:00 – 2:00</b>	Brown School of Business Pugh Courtroom	<b>Student Jeopardy Competition</b>
<b>2:00 – 3:00</b>	Brown School of Business 2 <sup>nd</sup> floor lobby	<b>Coffee/Tea/Water</b>
<b>2:15 – 2:35</b>	Brown School of Business	<b>Contributed Papers, Session 4</b>
	<b>302</b>	James Parson, Hood College <i>Ye Olde Fundamental Theorem of Algebra</i>
	<b>303</b>	Brian Heinold, Mount St. Mary's University <i>Some bizarre mathematical images</i>
	<b>304</b>	Students: Mark Lotts, Randolph-Macon College <i>Structure and randomness of the discrete Lambert map</i>
	<b>305</b>	Students: Michael Donders, McDaniel College <i>Independence of Colorings on Graphs</i>
	<b>307</b>	Betty Mayfield, Hood College Jon Scott, Montgomery College <i>Digging up the History of our Section</i>

## Schedule of Speakers

<b>2:40 – 3:00</b>	Brown School of Business	<b>Contributed Papers, Session 5</b>
	<b>302</b>	Gregory Hartman, Virginia Military Institute <i>APEX Calculus: A Progress Report</i>
	<b>303</b>	Student: Matthew Villemarette, Marymount University <i>A Stochastic Model of the Spread of Cholera</i>
	<b>304</b>	Laxman Hegde, Frostburg State University <i>Correspondence Analysis</i>
	<b>305</b>	Student: Alicia Velek, York College of Pennsylvania Student: Samantha Tabackin, York College of Pennsylvania <i>A Classification of Quadratic Rook Polynomials</i>
	<b>307</b>	Wendy Hageman Smith, Longwood University <i>The Impact of Post-Secondary Teaching Methods in Gen-Ed Math Courses</i>
<b>3:05 – 3:25</b>	Brown School of Business	<b>Contributed Papers, Session 6</b>
	<b>302</b>	Daniel Joseph, Virginia Military Institute Gregory Hartman, Virginia Military Institute <i>Focally Reflective Curves</i>
	<b>303</b>	Student: Aaron Chotikul, Towson University <i>Using Celtic Artwork to Introduce Knot theory in a Secondary Ed Class</i>
	<b>304</b>	Jeff Suzuki, Brooklyn College <i>Occupy Phase Space: The Mathematics of Dissent and Suppression</i>
	<b>305</b>	Student: Nathan Werth, York College of Pennsylvania <i>A Ring of Fibonacci Numbers</i>
	<b>307</b>	Gwyneth Whieldon, Hood College <i>How Does the Postal Service Sort Mail?</i>
<b>3:35 – 4:30</b>	Brown School of Business Pugh Courtroom	<b>Invited Address:</b> How Math Made Modern Music <del>Mad</del> Irrational <b>David Kung</b> St. Mary's College of Maryland
<b>4:35 - 4:55</b>	Brown School of Business Pugh Courtroom	<b>Undergraduate Prize Session</b> Including Radical Dash