

**MAA MD-DC-VA Section Spring 2007 Meeting, April 13 and 14
Roanoke College, Roanoke, VA**

Friday, April 13, 2007: The registration, reception, banquet, and banquet address are in Colket Center, and the workshop is in Colket Center. **Section NExT will meet in Miller 2nd floor Reading Room.**

Time	Event	
3:00 – 4:15	Colket Kime	Section Officers Meeting
4:30 – 6:30	Colket Garrett	Workshop: <i>A bunch of questions I can't answer about the game of Hex</i> Garikai Campbell, Swarthmore College
5:30 – 7:00	Colket 2 nd floor atrium	Registration and Reception
7:00 – 8:00	Colket Ballroom	Opening Remarks: Dr. Adrienne Bloss, Assistant Dean, Curricular and Faculty Development Banquet Dinner
8:00 – 9:00	Colket Ballroom	Banquet Address: <i>Hat Problems</i> Ezra (Bud) Brown, Virginia Tech

Saturday, April 14, 2007: Registration and all contributed talks are in Miller Hall. Lunch is in Colket Ballroom. The invited addresses and membership meeting are in Massengill Auditorium. **All Section NExT events will be in Miller 2nd floor Reading Room from 8:00 – 10:00 am.**

Time	Event	
8:00 – noon	Miller 013	Registration, Refreshments, and Book Sale
8:30 – 8:50	Contributed Papers 1	Student Contributed Papers 1
	Miller 112 <i>Does XxY homeomorphic to XxZ imply Y homeomorphic to Z? -- A Survey</i> Marshall M. Cohen, Morgan State Univ.	Miller 212 <i>Mutual Orthogonality and Minimal Generating Conditions of Gerechte Designs</i> Laurel Booth, James Madison University
	Miller 113 <i>Arithmetic Combinations</i> Bruce Torrence, Randolph-Macon College	Miller 213 <i>Overcoming Math Anxiety at the Middle School Level</i> Kendra Hildreth, St. Mary's College of MD
	Miller 114 <i>Using the Bootstrap to Learn Applied Statistics</i> Jeffrey L. Spielman, Roanoke College	Miller 214 (COMAP Meritorious) <i>Got Baggage? An approach to solving the airplane boarding time problem.</i> Jonathan Celso, Loyola College in Maryland

9:00 – 9:20	Contributed Papers 2	Student Contributed Papers 2
	Miller 112 <i>Using Tornadoes to Prove Regularity for PDEs</i> Alex Meadows, St. Mary's College of Maryland	Miller 212 <i>Sudokus or Pseudo Clues?</i> Jessica Kline, Virginia Tech
	Miller 113 <i>Development of a Freshman Mathematical Modeling Course for majors in Applied Mathematics</i> Robert Bennell, Virginia Military Institute	Miller 213 <i>Salary Determination and Discrimination in the NHL</i> Jonathan Celso, Loyola College in Maryland
	Miller 114 <i>Calculus at Roanoke College: Reading, Writing, and Clicking</i> Chris Lee, Jan Minton, Roland Minton, and Jeff Spielman, Roanoke College	Miller 214 (COMAP Meritorious) <i>Power to the People: Solving the Problem of Gerrymandering</i> Allison Johnson, Benjamin Leard, and Megan Mifflin, James Madison University
9:30 – 9:50	Contributed Papers 3	Student Contributed Papers 3
	Miller 112 <i>Tensor Product and Quasi-Positive Definite Operators</i> Dipa Choudhury, Loyola College in Maryland	Miller 212 <i>Latin Squares, Tilings, and Overlap-Free Sequences</i> Rob Tompkins, Virginia Tech
	Miller 113 <i>The day I learned to shut up and let my students talk</i> David Kung, St. Mary's College of Maryland	Miller 213 <i>The Aeroacoustics of 3D Coanda Jet Flows</i> Jason Fox, James Madison University
	Miller 114 <i>Finite Mathematics with Excel: Does it make a difference?</i> Ahlam Tannouri, Morgan State University	Miller 214 (COMAP Meritorious) <i>Preventing Gerrymandering: the Unit-Based Shortest Splitline Algorithm</i> Mike Pohl and Victor Fedorov, University of Richmond
9:30 – 10:50	<p style="text-align: center;">Student Poster Session</p> <ul style="list-style-type: none"> • <i>Shackled Nim</i>, Zack Johnson, Longwood University • <i>Pre-processing Techniques in cDNA Microarray Data</i>, Ashley Swandby, Longwood University • <i>Polynomial Parameterizations of Topological Knots</i>, Katherine Toman, St. Mary's College of Maryland <p style="text-align: center;">(More posters may be registered on site.)</p>	
10:15 – 10:50	Massengill Auditorium	Meeting of the General Membership
11:00 – 12:00	Massengill Auditorium	<p>Welcoming Remarks: Dr. Sabine O'Hara, President, Roanoke College</p> <p>Invited Address: <i>My favorite elliptic curve</i> Garikai Campbell, Swarthmore College</p>

12:00 – 1:15	Colket Ballroom	LUNCH	
1:15 – 2:00	Massengill Auditorium	<p>Math Jeopardy! Host: Ezra (Bud) Brown, Virginia Tech</p> <p><i>We encourage all faculty and students to attend this exciting and fun student competition. The winning team will be recommended for the Jeopardy tournament at MathFest.</i></p>	
2:10 – 3:10	Massengill Auditorium	<p>Invited Address: <i>The Monty Hall Problem Revisited</i> Jason Rosenhouse, James Madison University</p>	
3:20 – 3:40	Contributed Papers 4		Student Contributed Papers 4
	Miller 112 <i>Solving Some 7th-degree Equations Using Dominoes</i> James V. Blowers, Retired US Army	Miller 212 <i>Polynomial Parameterizations of Topological Knots</i> Katherine Toman, St. Mary's College of Maryland	
	Miller 113 <i>The Extended Euclidean Algorithm</i> Bill Wardlaw, U. S. Naval Academy	Miller 213 <i>Continuous Mathematical Models of Red Blood Cell Production</i> Nakeya D. Williams, Morgan State University	
	Miller 114 <i>Odds and Ends in Statistics</i> Kane Nashimoto, James Madison University	Miller 214 (COMAP Honorable Mention) <i>Simulated Annealing as a Flexible Tool for Refined Districting</i> Kihyuk Hong, Henry Pao, and Kartik Trehan, Johns Hopkins University	
3:50 – 4:10	Contributed Papers 5		Student Contributed Papers 5
	Miller 112 <i>From Random Matrices to Stochastic Operators</i> Brian Sutton, Randolph-Macon College	Miller 212 <i>Grid Colorings: The Even Distribution Conjecture</i> Brett Jefferson, Morgan State University	
	Miller 113 <i>The Tourist Game</i> Marcus Pendergrass, Hampden-Sydney College	Miller 213 <i>Cevian Algebra</i> Salem Abadi, Virginia State University	
	Miller 114 <i>Exploring Loci in Geometry</i> Owen Byer and Deirdre Smeltzer, Eastern Mennonite University		
4:20 – 4:40	Massengill Auditorium	General Prize Session	