

**MAA MD-DC-VA Section
Fall 2009 Meeting, November 13 and 14**

**Goucher College
Baltimore, Maryland**

Friday, November 13

Friday activities for Section NExT will be held in room 149 of the Hoffberger Building.

Time	Location	Event
2:30 – 3:45	Batza Room 448	Section Officers Meeting
4:00 – 6:00	Athenaeum 422	Workshop: <i>Indoor Lessons from Outdoor Education</i> Carla Martin, James Madison University
6:00 – 7:00	Dorsey Center Rosenberg Gallery	Registration
	Hyman Forum & Athenaeum 111	Reception
7:00 – 8:00	Hyman Forum (Athenaeum)	Welcoming Remarks: Janine Bowen Associate Dean for Faculty Affairs, Goucher College Banquet Dinner
8:00 – 9:00	Hyman Forum (Athenaeum)	Banquet Address: <i>Putting a Spring in Yoda's Step</i> Tim Chartier, Davidson College

Saturday, November 14

Saturday activities for Section NExT will be held in room 149 of the Hoffberger Building.

Time	Location	Event
8:15 – noon	Dorsey Center Rosenberg Gallery	Registration
8:15 – noon	Hoffberger 1 st floor	Refreshments
8:15 – 3:30	Dorsey Center Rosenberg Gallery	MAA Book Sale
8:50 – 9:10	Hoffberger	Contributed Papers, Session 1
	G59	<i>Interaction between multiple species in heterogeneous environments</i> Aurelia Minut, US Naval Academy
	134	<i>A Sum Theorem for (FPV) Operators and Normal Cones</i> M.D. Voisei, Towson University
	137	<i>Confirmatory Factor Analysis of Mental Toughness Sport Questionnaire</i> Hasan Hamdan, James Madison University
9:20 – 10:30	Kelley Lecture Hall (Hoffberger)	Welcoming Remarks: Marc Roy Provost, Goucher College Invited Address: Math and Art: The Good, the Bad, and the Pretty Annalisa Crannell, Franklin & Marshall College
10:45 – 11:05	Hoffberger	Contributed Papers, Session 2
	G59	<i>The Loose Caboose: Hiding good mathematics in simple problems</i> Jennifer Bergner, Salisbury University
	133	<i>Wavelet Shrinkage</i> Lynette Obiero and Brian Dadson, Virginia State University
	134	<i>A New Connection Between the Triangles of Stirling and Pascal</i> Emily Sullivan, York College of PA
	137	<i>Create Symmetric Stiffness Matrix in Nonlinear Finite Element Method</i> Ming Fang, Norfolk State University

11:10 – 11:30	Hoffberger	Contributed Papers, Session 3
	G59	<i>Easy-to-use tools for online classes</i> Jennifer Szczesniak, Hagerstown Community College
	133	<i>Two Interesting Differential Equations for Upper Level Students</i> James Sochacki, James Madison University
	134	<i>Fractals from the Spectra of Cubic Graphs</i> Stephen Lucas, James Madison University
	137	<i>Defending the Roman Empire</i> Robert Rubalcaba, Department of Defense
11:35 – 11:55	Hoffberger	Contributed Papers, Session 4
	G59	<i>Geometry of Fractal Squares</i> Kristine Roinestad, Virginia Tech
	133	<i>A Matched-Pairs Study on Interactive Computer Labs in Liberal Arts Math</i> Frederick Butler, York College of Pennsylvania
	134	<i>What Moves You: Using Legs for Vehicular Transportation</i> Jonathan Graf, Towson University
	137	<i>The Mathematics of International Trade II</i> James Case
12:00 – 1:10	Dorsey Center Rosenberg Gallery	LUNCH
1:10 – 1:55	Kelley Lecture Hall (Hoffberger)	Meeting of the General Membership
2:00 – 2:55	Kelley Lecture Hall (Hoffberger)	Invited Address: <i>Provincial Polynomials: Uncommon Excursions for the Seasoned Visitor</i> Dan Kalman, American University
3:00 – 4:00	Hoffberger 1 st floor	Coffee/Tea/Water
3:00 – 3:20	Hoffberger	Contributed Papers, Session 5
	G59	<i>Mathematical circles - what are they?</i> Julia Brodsky, Art of Inquiry
	133	<i>Attracting Math Majors</i> Dave Kung, St. Mary's College of Maryland
	134	<i>Patterns and Fractals from a Generalized Bitwise AND</i> Brian Heinold, Mount St. Mary's University
	137	<i>Sudoku, Graphs and Group Actions</i> Elizabeth Arnold, James Madison University

3:25 – 3:45	Hoffberger	Contributed Papers, Session 6
	G59	<i>Why Is $PSL(2,7)$ Isomorphic To $GL(3,2)$?</i> Ezra Brown, Virginia Tech
	133	<i>Thoughts on an inquiry-based learning course in undergraduate analysis</i> Alex Meadows, St. Mary's College of Maryland
	134	<i>Periodic Fractions</i> James Parson, Hood College
	137	<i>Improving the Learning of Mathematics through the Game of Chess (ILMC)</i> Boyd Coan, Norfolk State University
3:50 – 4:35	Kelley Lecture Hall (Hoffberger)	Session on College Preparedness in Mathematics Moderators: Denny Gulick, University of Maryland Lee May, Salisbury University Robert Sachs, George Mason University