

**MAA MD-DC-VA Section
Spring 2006 Meeting, April 7 and 8
Loyola College, Baltimore, Maryland
(updated as of April 4)**

Friday April 7, 2006: The registration, reception, banquet, and banquet address are in McGuire Hall East, which is located in the Andrew White Student Center (AWSC).

Time	Room Number	Event
2:30 – 3:45 PM	Knott Hall 303	Section Officers Meeting
4:00 – 6:00 PM	Sellinger Hall 004	Workshop by Stefan Treatman, Department of Defense: <i>Two millennia of cryptography in sixty minutes</i>
5:30 – 7:00 PM	McGuire Hall East	Registration and Reception
7:00 – 8:00 PM	McGuire Hall East	Banquet (Welcoming Remarks: Professor James Buckley, Dean of the College of Arts and Sciences)
8:00 – 9:00 PM	McGuire Hall East	Banquet Address: Stefan Treatman, Department of Defense: <i>The Polish attack on the German ENIGMA</i>

Saturday, April 8, 2006: All contributed talks are in Sellinger Hall (SH). Lunch is in McGuire Hall East, and the invited addresses, membership meeting and prize session are in McGuire Hall West. McGuire Hall is located in the Andrew White Student Center (AWSC). **All Section NEXt events will be in Sellinger Hall 008.**

Time	Room Number / Location	Event
8:00 – noon	Sellinger Hall Atrium	Registration and Refreshments
8:30 AM – 2 PM	McGuire Hall Atrium, AWSC	Book Displays and Sale
8:30–8:50 AM	Sellinger Hall	Contributed Papers, Session 1
	SH 102	Hongwei Chen, Christopher Newport University: (**) <i>Evaluation of some variant Euler sums</i>
	SH 104	Howard Penn, United States Naval Academy: (**) <i>Which ball parks are homer-friendly, Part 2</i>
	SH 107	Greg Dresden, Washington & Lee University: (**) <i>Three transcendental numbers from $n!$, n^n and F_n</i>
8:30–8:50 AM	Sellinger Hall	Student Papers, Session 1
	SH 001	David Clewell, St. Mary's College of Maryland: (**) <i>The Wave Equation and the violin</i>
	SH 003	Jeff Dudas, Virginia Military Institute: (**) <i>Finding patterns in the binary representation of the Fibonacci numbers</i>
	SH 005	Chamir Lawson, Morgan State University: (**) <i>Walking With Proteins</i>
	SH 006	Jesse Ozbat and John Gichuru, Virginia State University: (**) <i>Automorphisms of the Cevian line algebra</i>

	SH 105	Beverly Raffa, Hood College: (**) <i>A brief introduction to hypergraphs</i>
8:55 – 9:15 AM	Sellinger Hall	Contributed Papers, Session 2
	SH 102	Bruce Torrence, Randolph-Macon College: (**) <i>Extending the Locker Problem</i>
	SH 104	Jody Lockhart, United States Naval Academy: (**) <i>Determinants of matrices over the integers modulo m</i>
	SH 107	Ahlam Tannouri, Morgan State University: (**) <i>Fractal geometry of the mammalian bronchial trees</i>
	SH 003	Matthew Pascal, Towson University: (**) <i>A multistage assessment of No Child Left Behind in the middle school mathematics classroom</i>
8:55 – 9:15 AM	Sellinger Hall	Student Papers, Session 2
	SH 001	Lisa Byrne, St. Mary's College of Maryland: (**) <i>Magic Squares and Elliptic Curves</i>
	SH 105	Kathryn Linehan, Hood College: (**) <i>Ramsey Theory</i>
	SH 005	Bret Ewing Newton, Hampden-Sydney College: (**) <i>Resource allocation in presidential elections based on past voting patterns</i>
	SH 006	William Rankin, Virginia State University: (**) <i>Geometric properties of the Cevian box</i>
9:20 – 9:40 AM	Sellinger Hall	Contributed Papers, Session 3
	SH 102	Eve Torrence, Randolph-Macon College: (**) <i>Origami in the undergraduate mathematics curriculum</i>
	SH 001	Katherine Socha, St. Mary's College of Maryland: (**) <i>Sturm and Bond, or How I Learned to Stop Worrying and Love Linear Algebra</i>
	SH 104	Bill Wardlaw, United States Naval Academy: (**) <i>Row Rank Equals Column Rank (dedicated to George Mackiw, a good friend and an excellent mathematical expositor)</i>
9:20 – 9:40 AM	Sellinger Hall	Student Papers, Session 3
	SH 006	Ron Davis, Virginia State University: (**) <i>Biquadratic identity of the Cevian line subalgebra</i>
	SH 107	Laura MacIntyre, Norfolk State University: (**) <i>A study of chaotic models</i>
	SH 105	Kelly Schultz, Hood College: (**) <i>NFL quarterback ratings</i>
	SH 005	Peter Lo, St. Mary's College of Maryland: (**) <i>The Effect of Using Mathematics Activities on Students' Interests In and Attitudes Toward Mathematics</i>
	SH 003	Elizabeth Twentyman, Washington & Lee University: (**) <i>Factoring Primes and Factoring Factor Rings</i>
9:20 – 10:55 AM	Sellinger Hall	COMAP Modeling Contest Presentations by Section Teams Receiving Meritorious Ratings
9:20 – 9:35 AM	SH 008	James Choi, Ram Chivukulu, Kartik Trehan, Johns Hopkins University (Meritorious Rating, coached by Fred Torasco): (**) <i>Problem A: Physical and Digital Optimization of a Constrained Irrigation System</i>

9:40 – 9:55 AM	SH 008	TO BE SCHEDULED
10:00 – 10:15 AM	SH 008	TO BE SCHEDULED
10:20 – 10:35 AM	SH 008	TO BE SCHEDULED
10:40 – 10:55 AM	SH 008	TO BE SCHEDULED
11:00 – 11:15 AM	SH 008	TO BE SCHEDULED
10:00–10:55 AM	Sellinger Hall SH 104	Student Poster Session
10:20–10:50 AM	McGuire Hall West, AWSC	Meeting of the General Membership
10:50–11:00 AM	McGuire Hall West, AWSC	Welcoming Remarks: Dr. David Haddad, Vice President for Academic Affairs
11:00–11:55 AM	McGuire Hall West, AWSC	Invited Address 1: Fern Y. Hunt, National Institute of Standards and Technology: <i>Techniques for visualizing frequency patterns in DNA</i>
11:55 –1:10 PM	McGuire Hall East, AWSC	LUNCH: McGuire Hall East, AWSC
1:20–2:10 PM	McGuire Hall West, AWSC	Invited Address 2: Laura Taalman, James Madison University: <i>Sudoku Variations and Explorations</i>
2:20 – 2:35 PM	McGuire Hall West, AWSC	General Prize Session
2:40 – 3:30 PM	McGuire Hall West, AWSC	Math Jeopardy and Student Town Meeting
3:10 – 3:30 PM	Sellinger Hall	Contributed Papers 4
	SH 001	Harel Barzilai & Homer Austin, Salisbury University: <i>On their home turf: K-12 math teachers inform university professional development programs</i>
	SH 003	Marshall Cohen, Morgan State University: (**) <i>Elements of finite order in the group of formal power series under composition</i>
	SH 005	Peter Joyce, CCBC at Catonsville: (**) <i>Even and odd permutations (a simple proof)</i>
	SH 102	Samuel S. Kutler, St. John's College: (**) <i>Is One A Number?</i>
	SH 104	Philip Poplin, Longwood University: (**) <i>Naïve Calculus: Product and Quotient Rules</i>
	SH 105	Michael J. Tierney, Virginia Military Institute: <i>Discrete Mathematics with a Writing-Intensive Component</i>
	SH 107	Daniel Vasiliu, Christopher Newport University: (**) <i>An Extended Mean Value Theorem for Integrals</i>
3:40 – 4:00 PM	Sellinger Hall	Contributed Papers 5
	SH 107	Raymond Fletcher, Virginia State University: (**) <i>Automorphisms of the Cevian algebra</i>
	SH 001	Dan Kalman, American University: (**) <i>Archimedes in the Fifth Dimension</i>

	SH 102	Asamoah Nkwanta, Morgan State University: (**) <i>Counting non-contiguous simple sequence repeats in DNA sequences</i>
	SH 105	G. Edgar Parker, James Madison University: <i>Math for people who don't want to take math: The nature of applied mathematics</i>
	SH 104	David Shoenthal, Longwood University: (**) <i>Naïve calculus: Chain Rule</i>
	SH 003	Katherine Socha, St. Mary's College of Maryland: (**) <i>A Women and Mathematics Poster Series</i>