Program Details

Spring 2001 Meeting

Virginia Military Institute

Friday, April 20

Time	Location	Event
6:00 - 7:00 PM	**Marshall Library**	**Reception and Registration**
7:00 - 9:00 PM	**Moody Hall**	**Dinner and invited address: Robert Mena,** *The Case of the Conjecture Slain by a Deck of Cards (Borsuk's Conjecture)*

Saturday, April 21

All Saturday sessions occur in Scott Shipp Hall. The lunch will be in Moody Hall. In the schedule below, all numbered rooms are in Scott Shipp.

In the program below, contributed papers by undergraduate students are marked by an asterisk (*), those by graduate students are marked with a double asterisk (**). For presentations by Modeling Competition teams, # indicates recipients of a Meritorious Team Award, and ## indicates recipients of an Outstanding Team Award.

Time	Location	Event
8:15 - 10:00 AM	**215**	**Registration and Refreshments**
8:30 - 8:40 AM	**501/502**	*Welcoming Remarks*
8:30 AM - 2:00 PM	**216/217**	**Book Displays and Sale**
8:40 - 9:10 AM		**Contributed papers 1**
	301/302	# Robert Knapik, Timothy Myers, and Eugene Kitamura, James Madison University *EVADE'M: Emergency Ventilation Adaptive Dynamic Evacuation Method*, (COMAP award)
	310	Ezra Brown, Virginia Tech *Elliptic Curves, Doughnuts, and 49/20*

	319	Dave Pruett, Jim Sochacki, James Madison University *Undergraduate Computational Science Via Computational Fluid Dynamics*
	321	Alexander White, American University *Getting The Most Out Of Histograms In Basic Stat*
	328	Gregory Dresden, Washington & Lee University *Linear Fractional Transforms With Integer Coefficients*
	316	Gordon Williams, VMI *(A) Surprising Sequence(s)*
	213	Mark McClure, UNC at Asheville *A Stochastic Cellular Automata for Three-Coloring Penrose Tiles*
	519	* Amanda Tracey, Hood College *Winnie the Pooh and Elections Too: A Look at Voting Theory*
	219	* Adrien Treuille, Georgetown University *A Coloring Problem*
9:20 - 10:20 AM	501/502	**Invited address: Lyn Stallings,** *Using Rubrics and Reflection in Mathematics Courses*
10:30 -11:30 AM	501/502	**Invited address: Timothy Law Snyder,** *Comfortably Injecting the Learning of Writing into the Teaching of Mathematics*
11:40 AM - 12:10 PM		**Contributed papers 2**
	301/302	# Tony Kirilusha, Jonathan Robbins, Adam Weaver, University of Richmond *Hurricane Evacuation Plans for Coastal South Carolina Counties* (COMAP award)
	310	# Daniel Robinson, Florin Nedelciuc, Justin Lacy, James Madison University *To Disk Or Not To Disk* (COMAP award)
	321	William P. Wardlaw, U. S. Naval Academy *A Problem of Kaplansky*
	328	Michael J. Evans, Washington and Lee University *First Return Limiting Processes: A Little Information Goes A Long Way*
	316	Andrew Vogt, Georgetown University *Generalizations of the Concept of State*
	510	* Amanda Tracey, Jennifer Webb, Laura Pugh, Hood College *Meetin' in the City of New Orleans: An Undergraduates View of the 2001 Joint Meetings*
	213	* Dominic Braun, UNC at Asheville *Generating Bandt's Aperiodic Mixed Self-Similar Fractiles and Their Boundaries*

	519	* Michael Gwinn, Georgetown University *Modeling Animal Behavior*
	219	* Patrick Meade, College of William & Mary *Normal Matrices and Polar Decompositions in Indefinite Inner Products*
12:10 - 1:20 PM	**Moody Hall**	**Lunch**
1:30 - 2:00 PM		**Contributed papers 3**
	301/302	## Jonathan Charlesworth, Finale Doshi, and Joseph Gonzalez, Governor's School, Richmond, VA, *A Mathematical Model of a Storm Evacuation Plan for the South Carolina Coast*, (COMAP award)
	316	Parviz Khalili, Christopher Newport University *Three Parabola Problems and Some Historical Notes*
	519	Robert P. Bennell, Virginia Military Institute *From Discrete Least Squares Approximation to Data Smoothing: The Path Less Traveled*
	319	Kevin Peterson, Lynchburg College *Merlot: Online Teaching and Learning Resources*
	321	Glenn Berman, Lynchburg College *Orientations of 5-Wheel-Free Graphs To Avoid Having An S3 Minor*
	213	Craig Bailey, U S Naval Academy *The Mathematics of GPS*
	310	** Kendrick D. Smith, Hampton University *Using Maple for Solving Fluid Dynamics Models*
	328	* Amy Pollard, St. Mary's College of Maryland *CS/Math Project: gtk/OpenGL interactive 1st Order ODE Solver*
	515	* Danielle Boyd, Morgan State University *On A Variation of the Lotka-Volterva Prey-Predator Model*
	510	* Charles R. Johnson, Dani N. Machado, and Patrick X. Rault, College of William and Mary *Multiplicative Generation of Integral Matrices via Elementary Bidiagonal Matrices*
	219	* Nancy Nichols and Tonya Kim, Randolph-Macon College *Can You Follow Our Train of Thought? Analyzing the Effects Of A Railroad Crossing On Traffic Flow*
2:10 - 3:10 PM	**501/502**	**Invited address: Samuel J. Lomonaco,** *An Overview of Quantum Computation: Concept and Intuition*

3:20 - 4:00 PM	**501/502**	**Business Meeting & Awards**
4:00 - 5:30 PM	**501/502**	**Grant Writing Workshop (End time tentative).**