

**MAA MD-DC-VA Section
Fall 2004 Meeting, November 5 and 6
Morgan State University
Baltimore, Maryland
(Program Updates Will Be Posted When Available)**

Friday November 5, 2004:

Time	Location	Event
4:00–6:00 PM	Parkdale Industrial Park, Bldg 1, Unit C-7, 3500 Parkdale Av	Workshop by Helaman Ferguson, Mathematician and Artist <i>An Ancient Algorithm: 29,000 Years Old</i>
4:30–7:00 PM	Dixon Science Building	Registration and Cocktails
7:00–8:00 PM	Helen Roberts Room	Banquet Welcoming Remarks: Dr Juarine Stewart: Dean of the School of Computer, Mathematical and Natural Sciences (SCMNS)
8:00–9:00 PM	Dixon Science Building	Invited Talk: Helaman Ferguson, Mathematician and Sculptor, and Claire Ferguson, Writer and Artist <i>Mathematics in Stone and Bronze</i>
9:00 PM till...	To Be Arranged	Social Event for Students

Saturday, November 6, 2004: All events are in the Murphy Fine Arts Center, 2201 Argonne Drive, Morgan State University

(**) indicates a talk recommended for all students

(##) indicates a talk recommended for graduate students

All Section NExT events are held in Room 100

Time	Room Number / Location	Event
8:00–noon	222	Registration and Refreshments
8:30 AM–2 PM	Hall in front of the Recital Hall	Book Displays and Sale
8:30–8:50 AM		Contributed Papers 1
	100	Kimber Tysdal, Hood College (**) <i>There's more than one way to skin a cat, or, having students present what they don't already know</i>

	101	Robert Lewand, Goucher College (**) <i>Hill's Polygraphic Cryptological System</i>
	126	Susan Schwartz Wildstrom, Walt Whitman High School (**) <i>Discovering derivative rules in calculus using experimentation and technology</i>
	127	Candice JeanLouis, Student, Morgan State University (**) <i>Chaos, RNA Chains and Selected Topics From Enumerative Combinatorics</i>
	128	Vojislav Stojkovic and Grace Steele, Computer Science, Morgan State University (**) <i>Perl and Math</i>
8:55–9:15 AM		Contributed Papers 2
	101	Jenny Stovall, Student, University of Mary Washington (**) <i>On Codes Generated by Quadratic Surfaces of $PG(3, q)$</i>
	126	Roland Minton, Roanoke College (**) <i>Two Optical Illusions</i>
	127	Bhamini M. P. Nayar, Morgan State University (**) <i>A Characterization of Paracompactness in terms of Filterbases</i>
	128	Elizabeth Goode, Towson University (**) <i>The Limit Languages of DNA Splicing Systems</i>
9:20–9:30 AM	Recital Hall	Welcoming Remarks: Dr. Earl S. Richardson, President of Morgan State University
9:30–10:15 AM	Recital Hall	Mathematics Preparation for Incoming College Students Denny Gulick, University of Maryland—College Park
10:20–10:50 AM	Recital Hall	Meeting of the General Membership
11:00–11:50 AM	Recital Hall	Invited Address 1: Holly Gaff, Department of Epidemiology and Preventive Medicine, University of Maryland Medical School <i>A Tick-Borne Disease Model - Spread and Control of Ehrlichiosis</i>
Noon–1:00 PM	222-Hall	LUNCH: Buffet Style
1:10–2:00 PM	Recital Hall	Invited Address 2: Kenneth Massey, Mathematics Department, Hollins University <i>Low-dimensional Approximations to Sparse Noisy Intransitive Relations - Rating College Football Teams</i>
2:10–2:30 PM		Contributed Papers 3
	101	Denny Gulick, University of Maryland, College Park (**) <i>Many Faces of Chaos</i>

	126	Howard L. Penn, United States Naval Academy (**) <i>Making faces and other parametric equation art</i>
	127	Jamal Theodore and Tari Appah, Students, Morgan State University (**) <i>Analyzing Biological Sequences using Dynamic Programming</i>
	128	Bonita V. Saunders, National Institute of Standards and Technology (**) <i>Using Adaptive Mesh Generation to Capture Key Features of 3D Function Surfaces</i>
2:40–3:00 PM		Contributed Papers 4
	101	Maryam Vulis, Queensborough Community College (**) <i>Mathematics on the Chessboard</i>
	126	Bruce Torrence, Randolph-Macon College (**) <i>Keeping Dry - The Mathematics of Running in the Rain</i>
	127	Arthur D. Grainger, Morgan State University (##) <i>Ultrafilters on the Collection of Finite Subsets of an Infinite Set</i>
	128	Jerome Dancis, University of Maryland (**) <i>Mathematically Correct and Mathematically Incorrect Pattern Recognition</i>
3:10–3:30 PM		Contributed Papers 5
	101	Samir Safi, James Madison University <i>The Efficiency of OLS in the Precedence of Auto-Correlated Disturbances in the Regression Models</i>
	126	Dan Kalman, American University (**) <i>Two Ellipse Questions</i>
	127	Marshall M. Cohen, Morgan State University and Cornell University (**) <i>On the classification of wallpaper groups</i>
	128	Divya E. Devadoss, Salisbury University (**) <i>Mathematical Modeling of Frontal Polymerization</i>