

Schedule for Spring 2023 MAA MD-DC-VA Section Meeting

On Friday, the workshop and Section NExT are in the Hunter-McDaniel Building (#49 on the map). The banquet is in the Gateway Dining (#53 on the map). On Saturday, all events are in the Engineering Building (#26 on the map), except for lunch which is in Jones Dining Hall (#25 on the map).

Friday, April 28

Section NExT		HM 154W
Workshop	4:00-6:00	HM 150W
<p><i>Authentic assessment in mathematics: expanding student opportunities while minimizing faculty workload</i> Marcella Torres (on behalf of MD-DC-VA COMMIT) University of Richmond</p>		
Registration	6:00-7:00	Gateway Dining
Reception	6:00-7:00	Gateway Dining
Welcome (Dr. Dawit Haile, Professor of Mathematics and Dean of College Engineering and Technology)	7:00	Gateway Dining
Banquet	7:00-8:00	Gateway Dining
Banquet Talk	8:00-9:00	Gateway Dining
<p><i>Cutting corners: you miter enjoy this talk</i> Karen Bliss & Greg Hartman Society for Industrial and Applied Mathematics, Virginia Military Institute</p>		

Saturday, April 29

Section NExT		EB 215
Registration	8:00-noon	EB First Floor Lobby
Breakfast	8:00-9:00	EB 119
MAA Book Sale	8:00-3:30	EB First Floor Lobby
Contributed Paper Session 1	8:20-8:40	
<i>The Calendar Reuse Problem</i> Dan Kalman American University	8:20-8:40	EB 202
<i>Connection Problems in Graphs</i> Jason Rosenhouse James Madison University	8:20-8:40	EB 204
<i>A Reflection on Project Based Learning in Calc I</i> Chase Mathison Shenandoah University	8:20-8:40	EB 205
<i>Primary resonance analysis for the Duffing equation with delay</i> D'Angelo Holder Virginia Commonwealth University	8:20-8:40	EB 210
<i>Generalizations for Maxwell's Equations to Yang-Mills Equations</i> Abigail Swanson University of Mary Washington	8:20-8:40	EB 211
Contributed Paper Session 2	8:45-9:05	
<i>Fun with $L(2,1)$-labeling</i> Brian Heinold Mount St. Mary's University	8:45-9:05	EB 202
<i>The geometric meandian and other topical functions</i> Brian Lins Hampden-Sydney College	8:45-9:05	EB 204
<i>An easy on-ramp to mastery-based grading</i> Jay Daigle The George Washington University	8:45-9:05	EB 205

<i>Strong Homotopy Lie Algebras</i> Samuel Bevins Virginia Commonwealth University	8:45-9:05	EB 210
<i>The effects of grazing functions on mixotrophic plankton populations during seasonal blooms</i> James Ripple St. Mary's College of Maryland	8:45-9:05	EB 211
Contributed Paper Session 3	9:10-9:30	
<i>Bookstores, Bake Sales, and Binary Balance</i> Alex Meadows St. Mary's College of Maryland	9:10-9:30	EB 202
<i>Debias Random Forest Regression Predictors</i> Lihua Chen James Madison University	9:10-9:30	EB 204
<i>A Partial Mastery Grading Approach for Calculus</i> Benjamin Wilson Stevenson University	9:10-9:30	EB 205
<i>Application of Image Compression using SVD</i> Isaac Edwards Virginia State University	9:10-9:30	EB 210
<i>Dietary Habits and Physical Activity Levels in Roanoke, Virginia and Buenos Aires, Argentina: A Comparative Analysis Using Surveillance Data</i> Claire Williams Roanoke College	9:10-9:30	EB 211
<i>Maple Learn: Teaching, learning, and doing math online just got easier!</i> Jennifer Iorgulescu Maple	9:10-9:30	EB 104
Welcome (Dr. Donald Palm, Provost and Vice President for Academic Affairs)	9:45	EB 120 Auditorium
Invited address	9:45-10:50	EB 120 Auditorium
<i>Can we make grace the norm in our classrooms?</i> Candice R. Price Smith College		

Meeting of the General membership	11:00-12:00	EB 120 Auditorium
Radical Dash	11:00-12:00	Outside the EB backyard
Lunch	12:00-1:00	2nd floor Jones Dining
Jeopardy	1:05-2:05	EB 120 Auditorium
Invited address	2:15-3:15	EB 120 Auditorium
<p><i>Growing MADDER: Building the “Mathematicians of the African Diaspora Database’s Ensemble of Researchers”;</i> Edray Goins Pomona College</p>		
Undergraduate Poster Session	3:30-4:00	EB 2nd floor lobby
Contributed Paper Session 4	3:30-3:50	
<p><i>Formally Verifying Run-time Assurance</i> J Tanner Slagel NASA Langley Research Center</p>	3:30-3:50	EB 202
<p><i>Using student constructed data sets to their fullest potential</i> Allen (Gregg) Harbaugh-Schattenkirk Longwood University</p>	3:30-3:50	EB 204
<p><i>MAA’s NREUP and Howard’s Program</i> Dennis Davenport Howard University</p>	3:30-3:50	EB 205
<p><i>The Critical Group of Hypercube Graphs</i> Colby Sherwood James Madison University</p>	3:30-3:50	EB 210
<p><i>Looking At Chaos With Triple Pendulums</i> Cameron Veach Shenandoah University</p>	3:30-3:50	EB 211
Contributed Paper Session 5	3:55-4:15	
<p><i>Geometric Vertex Decomposition and Toric Ideals of Graphs</i> Agnieszka Nachman Virginia State University</p>	3:55-4:15	EB 202

<p><i>Understanding false positives: an undergraduate application of conditional probability</i> Alice Petillo Marymount University</p>	3:55-4:15	EB 204
<p><i>Middle School Math Modeling Outreach Day</i> Meagan Herald Virginia Military Institute</p>	3:55-4:15	EB 205
<p><i>Predicting the Jet Boundary of a Turbulent Coanda Wall Jet Using Experimental Test Results</i> Matthew Caulfield James Madison University</p>	3:55-4:15	EB 210
<p><i>Exploring the Relationship between Elliptic Curves and Discrete Logarithms</i> Kelsey Ellis Shenandoah University</p>	3:55-4:15	EB 211
Contributed Paper Session 6	4:20-4:50	
<p><i>Image reconstruction using an adaptive Kaczmarz method for Electrical Impedance Tomography problems</i> Sanwar Ahmad Virginia State University</p>	4:20-4:50	EB 202
<p><i>Transforming Technology to Transform your Statistics Class</i> Marggie Gonzalez-Toledo Frederick Community College</p>	4:20-4:50	EB 204
<p><i>An Introductory Mathematical Modeling Course without Calculus</i> Gregory Hartman Virginia Military Institute</p>	4:20-4:50	EB 205
<p><i>FFEM for Elliptic State Constrained Optimal Control Problems</i> Andre Mas James Madison University</p>	4:20-4:50	EB 210
<p><i>Mosquito Surveillance and Population Dynamics with Impact on Human Epidemiology</i> Caleb Rivers Shenandoah University</p>	4:20-4:50	EB 211
Student Awards Ceremony	5:00-5:10	EB 120 Auditorium