

# Schedule for Fall 2023 MAA MD-DC-VA Section Meeting

All the Friday events will be on the Owings Mills Campus (100 Campus Circle, Owings Mills, MD, 21117) in Rockland Center. Parking will be available in Lot A (Mustang Stadium Lot) and does not require any pass. This will require about a 1/4 mile walk including some stairs. There is handicap parking closer, but if you need a pass for a closer lot (other than handicap), contact Program Chair Dina Yagodich.

All the Saturday events are on Owings Mills - North (Ted Herget Way (11200 Gundry Lane), Owings Mills, MD 21117) in the Manning Academic Center (south side of the building). Parking on that campus is open to anyone on the weekends.

## Friday, October 13

<b>Workshop</b>	4:00-6:00	Rockland Conference Room A
<i>Alternative Grading: Build-a-Syllabus Workshop</i> Justin Dunmyre (on behalf of MD-DC-VA COMMIT) Frostburg University		
<b>Registration</b>	6:00-7:00	Rockland Upstairs Lobby
<b>Reception</b>	6:00-7:00	Rockland Upstairs Lobby
<b>Welcome</b> (Elliot Hirshman, President of Stevenson University)	7:00	Rockland Banquet Room
<b>Banquet</b>	7:00-8:00	Rockland Banquet Room
<b>Banquet Talk</b>	8:00-9:00	Rockland Banquet Room
<i>More Mathematics + More Magic = Even More Mathemagic</i> Dave Taylor Roanoke College		

# Saturday, October 14

*All events are in the Manning Academic Center.*

<b>Registration</b>	8:30-noon	South Main Atrium
<b>Breakfast</b>	8:30-10:00	S124 (SoLVE Center)
<b>Coffee/Tea/Water</b>	8:30-12:00	South Main Atrium
<b>MAA Book Sale</b>	8:30-1:00	South Main Atrium
<b>Contributed Paper Session 1</b>	8:50-9:10	
<i>Winning Wordle with Math</i> Benjamin Wilson Stevenson University	8:50-9:10	S125
<i>Trans Rights &amp; Quantitative Justice Education</i> Mark Branson Stevenson University	8:50-9:10	S137
<i>Calculus Misconceptions: The Power of Mathematical Thinking</i> YongHong L McDowell CUNY York college	8:50-9:10	S138
<i>Pythagoras, Sabermetrics, and Fantasy Baseball</i> Sarah Cotter Blanset Stevenson University	8:50-9:10	S152
<b>Contributed Paper Session 2</b>	9:15-9:35	
<i>Optimizing Shut the Box</i> (student talk) Jay Whitmon Stevenson University	9:15-9:35	S125
<i>DEI<sup>2</sup>: Diophantine Equations Involving Diversity, Equity, and Inclusion</i> Ryan Shifler Salisbury University	9:15-9:35	S137
<i>Building a community of mathematics students</i> Alexei Kolesnikov, Romy Hübler Towson University	9:15-9:35	S138
<i>An extension of the Pythagorean theorem, with applications</i> Ray Cheng Old Dominion University	9:15-9:35	S152

<b>Welcome</b> (Mark Branson)	9:45-9:55	S124 (SoLVE Center)
<b>Invited address</b>	9:55-10:55	S124 (SoLVE Center)
<i>Community and Belonging in Mathematics</i> Deanna Haunsperger Carleton College		
<b>Contributed Paper Session 3</b>	11:05-11:25	
<i>The Epsilon of Math Problem Calendar</i> Dan Kalman American University (ret)	11:05-11:25	S125
<i>Modeling Resistive Electric Networks using Algebraic Graph Theory</i> Caroline Melles United States Naval Academy	11:05-11:25	S136
<i>Strategies for Advancing Academic Success in a NSF S-STEM Program at Shepherd University</i> Qing Wang, Amy Dewitt, Weidong Liao, Karen Adams, Reza Mirdamadi, Emily Gross Shepherd University	11:05-11:25	S137
<i>Cross-curricular assignments-Statistics</i> Alice Petillo Marymount University	11:05-11:25	S138
<i>Pythagorean Triples</i> Deepa Ramakrishnan Frederick Community College	11:05-11:25	S152
<b>Contributed Paper Session 4</b>	11:30-11:50	
<i>Modeling Antibody Levels Post SARS-CoV-2 Vaccination</i> (student talk) Zihao Zhao Johns Hopkins University	11:30-11:50	S125
<i>Teaching Mathematics using Blended Synchronous Learning</i> Maggie Habeeb PennWest California	11:30-11:50	S137

<i>A Mixture Theory Approach for Modeling Non-Newtonian Fluid Flow in Deformable Porous Media</i> Asif Mahmood University of Virginia	11:30-11:50	S138
<i>Pythagorean Triples and Generalized Fibonacci Numbers</i> Jathan Austin Salisbury University	11:30-11:50	S152
<b>Lunch</b>	12:00-1:00	South Main Atrium
<b>Annular Solar Eclipse Viewing</b> (Neal Miller)	1:10-1:25	Outside the South Atrium
<b>Meeting of the General membership</b>	1:30-2:15	S124 (SoLVE Center)
<b>Invited address</b>	2:20-3:20	S124 (SoLVE Center)
<i>Putting the Differential Back in Differential Calculus</i> Eugene Boman Pennsylvania State University, Harrisburg		
<b>Contributed Paper Session 5</b>	3:30-3:50	
<i>On the local limit theorems for linear sequences of lower psi-mixing Markov chains</i> Na Zhang Towson University	3:30-3:50	S125
<i>Enhancing STEM Enrollment, Retention, and Graduation: Insights and Strategies for Student Success</i> (student talk) Raina Burton, Johnna Smith Shepherd University	3:30-3:50	S137
<i>Lambert W function and its Applications</i> Ming Fang Norfolk State University	3:30-3:50	S138
<i>Compassionate Teaching</i> Amy Tucker Stevenson University	3:30-3:50	S152