

Mathematical Association of America
 MD-DC-VA Section, April 23-24, 2021
 Virtual
 Schedule of Speakers

There are five Zoom Rooms that will be utilized for the Section Meeting. They are labeled Zoom Room 1, Zoom Room 2, Zoom Room 3, Zoom Room 4, Zoom Room 5, and the Workshop Zoom Room. Our Section Chair, Minah Oh, will send out the Zoom links to those that preregistered before the Section Meeting.

Friday, April 23.

Time	Location	Event
4:00 – 6:00	Workshop Zoom Room	<p>Workshop: <i>Why Do I Need to Take This Math Class? Engaging Students in Mathematics Using Culturally Responsive Teaching</i></p> <p>Kendra Pleasant, Syafrida Syafrida, Ahlam Tannouri Morgan State University</p>

Saturday, April 24.

The Section NExT session will be from 11:00-12:00. See the email from Jathan Austin.

Time	Location	Event
8:30-9:40	Zoom Room 1	<p>Welcoming Remarks Minah Oh MAA MD-DC-VA Section Chair</p> <p>Invited Address: An Introduction to Symmetric Function—a Gem in Algebraic Combinatorics</p> <p>Anna Ying Pun University of Virginia</p>
9:45-10:05		Contributed Papers, Session 1
	Zoom Room 1	Jan Rychtar, Virginia Commonwealth University <i>Modeling Guinea worm disease</i>
	Zoom Room 2	Anshu Sharma, Randolph-Macon College <i>Commutativity of Noisy Matrices</i>
	Zoom Room 3	Jathan Austin, Salisbury University Emelie Curl, Christopher Newport University <i>Combinatorics and Graph Theory in Simple Blokus</i>
	Zoom Room 4	Julianna Hart, Shenandoah University <i>Effective Teaching Strategies in Mathematics</i>

Schedule of Speakers

	Zoom Room 5	Jill Tysse, Hood College <i>Mr Drum's Scheduling Problem</i>
10:10 – 10:30		Contributed Papers, Session 2
	Zoom Room 1	Joseph Sanz, Marymount University <i>An Agent-Based Approach to Modeling Evolutionary Advantage</i>
	Zoom Room 2	Paige Beidelman, University of Mary Washington <i>Game Chromatic Number on Segmented Caterpillars</i>
	Zoom Room 3	Bud Brown, Virginia Tech <i>Three gems from three giants of recreational mathematics</i>
	Zoom Room 4	Maria Hoogeveen, Shenandoah University <i>Is Virtual good for Math?</i>
	Zoom Room 5	Alex Meadows, St. Mary's College of Maryland <i>Adding Squares by Counting Squares</i>
10:35 – 10:55		Contributed Papers, Session 3
	Zoom Room 1	Joseph Scafetta, Marymount University <i>Agent-Based Modeling of COVID Spread</i>
	Zoom Room 2	Caleb Allen, Shenandoah University <i>Using Category Theory to Study Logic Operations and Other Properties of Stochastic Matrices Through Convex Sets</i>
	Zoom Room 3	Jim Case <i>May the Best Team Lose</i>
	Zoom Room 4	Madison Shannon, Shenandoah University <i>Effectiveness of Embedded Tutors and Mastery Based Testing</i>
	Zoom Room 5	Taylor Powell, Old Dominion University <i>Undetermined Coefficients: A Fully Generalized Approach</i>
11:00-11:20		Contributed Papers, Session 4
	Zoom Room 1	Cheyenne Hawkins, Shenandoah University <i>Mathematical Applications in Population Models for Fish Abundance Data</i>
	Zoom Room 2	Dan Kalman, American University <i>Generalizing a Mysterious Pattern</i>
	Zoom Room 3	Andrew Kappel, Shenandoah University <i>Using Baseball Sabermetrics to Predict Goal Scoring in Hockey</i>
	Zoom Room 4	Mark Branson, Stevenson University <i>Math for the People - Quantitative Literacy for Social Justice</i>

Schedule of Speakers

	Zoom Room 5	Megan Gunn, Randolph-Macon College <i>Filling in Missing Entries in a Matrix</i>
11:30–12:00	Zoom Room 1	Meeting of the General Membership
12:00-1:30	All Zoom Rooms	Social Hour
1:30 – 2:30	Zoom Room 1	Student Jeopardy Competition
2:35 – 3:35	Zoom Room 5	Student Poster Session See Poster Session Schedule for a List of Presenters
2:35 – 2:55		Contributed Papers, Session 5
	Zoom Room 1	Victoria Krist, Shenandoah University <i>A Modified Approach of Storing Delaunay Triangulation</i>
	Zoom Room 2	ILHAN M. IZMIRLI, George Mason University <i>An Elementary Proof of the Hexachord Theorem</i>
	Zoom Room 3	Joshua Lang, Stevenson University <i>Automated Sports Scheduling Using Computer Programming</i>
	Zoom Room 4	Sarah Loeb, Hampden-Sydney College Emily Meehan, Gallaudet University Michael Strayer, Hampden-Sydney College <i>MAA IP Guide Reading Group: What We Learned</i>
3:00 – 3:20		Contributed Papers, Session 6
	Zoom Room 1	Abdinur Ali, Norfolk State University Mushtaq Khan, Norfolk State University <i>Statistical Analysis of imperceptible Data in Digital Images</i>
	Zoom Room 2	Laura Short, Salisbury University Stephanie Warman, Salisbury University <i>Galkin's Lower Bound Conjecture holds for the Grassmannian</i>
	Zoom Room 3	Stephen A Meskin <i>Crossnumber Problems</i>
	Zoom Room 4	Nicholas A Hausler, Virginia Military Institute Kaleb Francisco, Virginia Military Institute Zhang Yuchen, Virginia Military Institute <i>The Influence of Music Using Network Analysis</i>
3:25 – 3:45		Contributed Papers, Session 7
	Zoom Room 1	Dewey Taylor, Virginia Commonwealth University <i>Mathematical Model of Visceral Leishmaniasis</i>

Schedule of Speakers

	Zoom Room 2	Joe Sanz, Marymount University <i>Minor Minimally 3-Linked Graphs</i>
	Zoom Room 3	Maila Hallare <i>2-adic Valuations of Cubic Sequences</i>
	Zoom Room 4	Alice Petillo, Marymount University <i>Connecting Students to Compelling Mathematics using Current Events</i>
3:50 – 4:50	Zoom Room 1	Invited Address: Take Data Analysis Seriously: You Might Save Lives Paul Patrone National Institute of Standards and Technology
4:50 - 5:00	Zoom Room 1	Undergraduate Prize Session