# Schedule for Spring 2026 MAA MD-DC-VA Section Meeting

All events are in the Student Center (Building H, #13 on the map). Parking is in Lot 1 (#23 on the map) and is free.

## Friday, April 24

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| **Workshop** | 4:00-6:00 | H115L |
| *Getting Started with PreTeXt for Accessible, Interactive Course Materials*<br>Geoff Cox<br>Virginia Military Institute | | |
| **Registration** | 6:00-7:00 | H115L |
| **Reception** | 6:00-7:00 | H115L |
| **Welcome** (Christianne Aranguren) | 7:00 | H115L |
| **Banquet** | 7:00-8:00 | H115L |
| **Banquet Talk** | 8:00-9:00 | H115L |
| *Bayes' Theorem & Making Rational Decisions in the Face of Uncertainty*<br>Allen Butler<br>Daniel H. Wagner Associates, Inc. | | |

## Saturday, April 25

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| **Registration** | 8:00-9:45 | H115L |
| **Breakfast** | 8:00-9:00 | H115L |
| **Coffee/Tea/Water** | 8:00-12:00 | H115L |
| **Contributed Talk Session 1** | 8:20-8:40 | |
| *Running Undergraduate Research at Smaller Universities*<br>Kevin Sinclair, Cindy Schneider<br>Shenandoah University | 8:20-8:40 | H204 |

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| *Normal Mixture Density Estimation for Major US Stocks: A Four-Year Empirical Study*<br>Nathan Carter, Hasan Hamdan<br>James Madison University | 8:20-8:40 | H205 |
| *Variational model of shape memory alloys*<br>Audrey Morrisette, Oleksandr Misiats<br>Virginia Commonwealth University | 8:20-8:40 | H206 |
| *Type C Affine Curve Neighborhoods*<br>Ben Goodberry<br>Salisbury University | 8:20-8:40 | H210 |
| **Contributed Talk Session 2** | 8:45-9:05 | |
| *Spreading the Love of Mathematics*<br>Minah Oh<br>James Madison University | 8:45-9:05 | H204 |
| *A Case for Quantum Computing in Math Departments*<br>Ryan Shifler<br>Salisbury University | 8:45-9:05 | H205 |
| *Using Taylor polynomials more meaningfully*<br>Bob Sachs<br>George Mason University | 8:45-9:05 | H206 |
| *The structure of permutations corresponding to the Hopf link* (student talk)<br>Efosa Owie<br>Towson University | 8:45-9:05 | H210 |
| **Contributed Talk Session 3** | 9:10-9:30 | |
| *Stealth Outreach: Granny Life and AutoScarf*<br>Laura Taalman<br>James Madison University | 9:10-9:30 | H204 |
| *Matrix Binomial Theorem with an AI co-author*<br>Dan Kalman<br>American University (Ret) | 9:10-9:30 | H205 |
| *Some Parametrizations and Linear Transformations of Integer Triangles*<br>Jathan Austin<br>Salisbury University | 9:10-9:30 | H206 |

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| *Geometry: Beyond Euclid*<br>Jennifer Bergner<br>Salisbury University | 9:10-9:30 | H210 |
| **Welcome** (Amy Parks) | 9:45 | H115L |
| **Invited Address** | 9:45-10:45 | H115L |
| *Pattern Avoidance in Restricted Permutations*<br>Opel Jones<br>John's Hopkins University Applied Physics Laboratory | | |
| **Meeting of the General Membership** | 11:00-12:00 | H115L |
| **Radical Dash** | 11:00-12:00 | Braddock Lobby |
| **Lunch** | 12:00-1:00 | H115L |
| **Jeopardy** | 1:00-2:00 | H115L |
| **Refreshments** | 2:00-2:15 | H115L |
| **Undergraduate Poster Session** | 2:15-2:55 | H115L |
| **Contributed Talk Session 4** | 2:35-2:55 | |
| *Predicting Positive Student Emotional Association with Coursework - Comparing Regression Models* (student talk)<br>Kenneth Cassada<br>Shenandoah University | 2:35-2:55 | H204 |
| *VMI Baseball Pitching Analytics* (student talk)<br>Andrew Kohan<br>Virginia Military Institute | 2:35-2:55 | H205 |
| *A characterization of the Seidel spectrum for switching classes of graphs* (student talk)<br>Isabel Walder<br>St. Mary's College of Maryland | 2:35-2:55 | H206 |
| *Arc Length and Surface Area: Where Calculus Techniques Meet History*<br>David W Stephens<br>The Bryn Mawr School | 2:35-2:55 | H210 |

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| **Contributed Talk Session 5** | 3:00-3:20 | |
| *Should Education Programs have Foreign Language Requirements?* (student talk)<br>Erin Boyd<br>Shenandoah University | 3:00-3:20 | H204 |
| *Computer Vision for Freshwater Macro-invertebrate Identification for Water Quality Monitoring* (student talk)<br>Wilson Beima<br>Shenadoah University | 3:00-3:20 | H205 |
| *Elliptic Curve Key Exchanges for Classical Ciphers* (student talk)<br>Connor Hill<br>Shenandoah University | 3:00-3:20 | H206 |
| **Contributed Talk Session 6** | 3:25-3:45 | |
| *Math Anxiety: Causes, Effects, and Solutions* (student talk)<br>Anna Kwartin<br>Shenandoah University | 3:25-3:45 | H204 |
| *Living Computers: Can Brain Organoids Power AI Architectures?* (student talk)<br>Dustin Delgross<br>Shenandoah University | 3:25-3:45 | H205 |
| *Origami Constructions: In Three-dimensional Space* (student talk)<br>Noah Hanscom<br>St. Mary's College of Maryland | 3:25-3:45 | H206 |
| **Student Awards Ceremony** | 3:50-4:00 | H115L |
| **Invited Address** | 4:00-5:00 | H115L |
| *AI Is Changing Our Profession: What Do We Do?*<br>Alexander Diaz-Lopez<br>Villanova University | | |