

Friday, April 22

Officers Meeting	3:00-4:20	BE 165
Workshop	4:30-6:30	BE 151/152
<i>Building Interdisciplinary Partnerships to Create Application-Focused Mathematics Content, A SUMMIT-P Project</i> Rebecca Segal (on behalf of MD-DC-VA COMMIT) Virginia Commonwealth University		
Registration	6:00-7:30	BE 151/152
Reception	6:30-7:30	BE 151/152
Welcome	7:30	BE 151/152
Margaret Latimer, Vice President/Provost of the Collegewide STEM Unit and the Germantown Campus, Montgomery College		
Banquet	7:30-8:30	BE 151/152
Banquet Talk	8:30-9:30	BE 151/152
<i>Back in the Saddle: Cutting through Clutter with Analytic Combinatorics</i> Sam Ferguson Metron, Inc.		

Saturday, April 23

Section NExT	TBA	HT 400
Special note: Each of the student talks will be in HT 122		
Registration	8:00-noon	HT
Breakfast	8:00-9:00	HT
Contributed Paper Session 1	8:20-8:40	
<i>A Mathematical Model and Analysis of Wireless Power Transfer</i> Daniel Wright, Yasmeen Cox, Markevious Tolbert Christopher Newport University and Norfolk State University	8:20-8:40	HT 122
<i>The Boudoir Armoire Memoir of Friedrich Oliver Vechs</i> Dan Kalman American University	8:20-8:40	HT 204

<i>Sallie Pero Mead – Early Female Industrial Mathematician</i> Greg Coxson, United States Naval Academy co-author: William Haloupek, Raytheon (retired)	8:20-8:40	HT 205
<i>False discovery type procedures: caveats to reproducibility—its all about dispersion</i> Grant Izmirlian National Cancer Institute	8:20-8:40	HT 216
Contributed Paper Session 2	8:45-9:05	
<i>Bioeconomic analysis of harvesting within a prey-predator system: A case study in the Chesapeake Bay fisheries</i> John Herrmann, Nathan Kolling Christopher Newport University and Norfolk State University	8:45-9:05	HT 122
<i>Asymptotic Distributions and Kostant’s Partition Function</i> Maggie Rahmoeller Roanoke College	8:45-9:05	HT 204
<i>An intuitive “math hacking” approach to the classical cross-ratio.</i> Bob Sachs George Mason University	8:45-9:05	HT 205
<i>The Information Density of DNA</i> Abdinur Ali, Mushtaq Khan Norfolk State University	8:45-9:05	HT 216
Contributed Paper Session 3	9:10-9:30	
<i>Mathematical Modeling of Oncolytic Virotherapy as a Cancer Treatment</i> Emily Adams, Ajeya Dixon, Logan Lawson Christopher Newport University and Norfolk State University	9:10-9:30	HT 122
<i>Down With Determinants! Completing Axler’s Vision</i> Jeff Suzuki Brooklyn College	9:10-9:30	HT 204
<i>Data-driven dynamics of phytoplankton blooms in a reaction-diffusion NPZ model</i> Seth Cowall St. Mary’s College of Maryland	9:10-9:30	HT 205
<i>Lewis Carroll on the Tortoise and Achilles</i> Jason Rosenhouse James Madison University	9:10-9:30	HT 216

Welcome	9:45	HT Globe Hall
John Hamman, Chief Analytics and Insights Officer, Montgomery College		
Invited address	9:45-10:50	HT Globe Hall
<i>Applying Formal Methods to Safety-Critical Systems</i> J. Tanner Slagel NASA		
Meeting of the General membership	11:00-12:00	HT Globe Hall
Lunch	12:00-1:00	HT First Floor Lobby
Jeopardy	1:15-2:15	HT Globe Hall
Coffee/Tea	1:15-2:15	HT
Undergraduate Poster Session	2:30-3:00	HT 123
Contributed Paper Session 4	2:30-2:50	
<i>Sphere Projection of the Sierpinski Triangle</i> Lily Kimble Shenandoah University	2:30-2:50	HT 122
<i>Modular Origami Map Coloring Models for the Masses</i> Eve Torrence Randolph-Macon College	2:30-2:50	HT 204
<i>A proposed generalization of a full rim hook removal on partitions</i> Ryan Shifler Salisbury University	2:30-2:50	HT 205
<i>Standards-based grading in Calculus with Precalculus</i> Jacquelyn Rische Marymount University	2:30-2:50	HT 216
Contributed Paper Session 5	2:55-3:15	
<i>Optimal Strategies in Hidden Information Games: Welcome to the Dungeon</i> Grace Walters Christopher Newport University	2:55-3:15	HT 122

<i>Drill Jigs for Wooden Ball-and-Stick Models</i> Bruce Torrence Randolph-Macon College	2:55-3:15	HT 204
<i>Washington DC field trip: Mathemalchemy</i> Alice Petillo Marymount University	2:55-3:15	HT 205
<i>Efficacy of Vaccines and medicines for COVID-19</i> Jerome Dancis Univ. of Maryland, College Park	2:55-3:15	HT 216
Contributed Paper Session 6	3:20-3:45	
<i>Role of mixotrophic zooplankton in seasonally-forced plankton blooms</i> Gillian Carr St. Mary's College of Maryland	3:20-3:45	HT 122
<i>Counting Homomorphisms</i> Chiru Bhattacharya Randolph-Macon College	3:20-3:45	HT 204
<i>Some Original Estimation/Fermi Problems</i> Brian Heinold Mount St. Mary's University	3:20-3:45	HT 205
<i>Change Ringing Supermethods</i> Kurt Ludwick Salisbury University	3:20-3:45	HT 216
Invited address	4:00-5:00	HT Globe Hall
<i>Cosh, Cosh, B-Cosh</i> Alex Meadows St. Mary's College of Maryland		
Student Awards Ceremony	5:00-5:10	HT Globe Hall