## 2016 MAA-SE Conference Program $95^{\text {th }}$ Annual Meeting



March 25-26, 2016
University of Alabama at Birmingham Birmingham, Alabama

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| :--- | :--- |
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Ninety-fifth Annual Meeting
University of Alabama Birmingham
Birmingham, AL
Thursday—Saturday, 24-26 March 2016
http://sections.maa.org/southeastern/maase/conference2016/
Building Information: Throughout this program the following abbreviations are used:
HSC Hill Student Center
HHB Heritage Hall
CH Campbell Hall

## Thursday, 24 March

2:00-5:00 Project NExT-SE Activities, HHB227.
6:30-9:30 Executive Committee Dinner and Meeting:
Ted's Restaurant, 328 12 $^{\text {th }}$ Street South.
Student Treasure Hunt. Organizer: Julie Barnes and Treasure Hunt Planning Team. (See back of program for the names of the planning team members.)
7:00 Check-in, HHB Lobby.
7:30-9:30 Activities in HHB.

## Friday, 25 March

7:00-4:30 Registration, HSC Third Floor Lobby.
7:30-11:00 Refreshments available, HSC Third Floor Lobby and HHB Lobby.
8:00-11:30 Project NExT-SE Activities, HHB 227.
8:00-11:45 Math Jeopardy:
8:00 - 11:00 Preliminary Rounds, HHB 102, 104, 121.
These rounds begin at 8:00, 9:00, and 10:00.
11:00-11:45 Semifinals, HHB 102, 104, 121.
Organizers: Brian Wagner (UT Martin), Jeffrey Powell (Samford), Mike Berry (UT Knoxville), ron taylor (Berry College)
Moderators: Mike Berry, Brian O’Connor (TN Tech) and Tim Goldberg (LenoirRhyne)

## 8:30-11:30 Workshops.

* Projects and Case Studies to Promote Quantitative Literacy, Ryan Fox and Andy Miller (Belmont University), HSC 204-206
* Using Instructional Tasks in College Algebra and Precalculus to Improve Conceptual Understanding, Stephanie Kolitsch (University of Tennessee at Martin) and Holly Anthony (Tennessee Technological University), HSC 314
* Counting Lattice Paths using Fourier Methods, Shaun Ault and Charles Kicey (Valdosta State University), HSC 312
* Graduate Student Career Development Workshop, Kristen Abernathy (Winthrop University), HSC 220

HHB 106. Distinguished Lectures for Students.
Session Chair: Sarah Raynor, Wake Forest University

* DS.1* 9:00: How small is too small? Modeling the effects of habitat fragmentation via reaction diffusion equation, Jerome Goddard II, Auburn University Montgomery
* DS.2* 10:00: Partitions and compositions: A tale of two symmetries, Sarah Mason, Wake Forest University.

9:30-4:00 Exhibits, HSC Third Floor Lobby
11:45-12:30 Graduate School and Career Fair: HSC 330 (Ballroom)
Networking, professional development, career planning and free pizza for undergraduates.

12:45-1:45 GS.1 General Session I, HSC 331-333 (Ballroom).
Sarah Raynor, MAA-SE Vice Chair for Programs, Presiding.

Welcome from University of Alabama at Birmingham:
Dean Robert E. Palazzo, College of Arts and Sciences

I nvited address: Graph Labelings for Everyone!
Christopher Raridan, Clayton State University, 2015-2016 MAA SE Section Lecturer.

2:00-4:00 Refreshments available, HSC Third Floor Lobby and HHB Lobby.

## 2:00-2:50 Publisher Presentation, HSC 204-206.

PUB.1 2:00-2:50: Hawkes Learning: Revolutionizing Math Courseware, Emily Judy, Hawkes Learning Systems

Hawkes Learning has enhanced its courseware, building new functionality for customization with the feedback of instructors from across the country! Exciting innovations are now available with our tablet-friendly learning platform. Check out the new customization tools to individualize your curriculum and tailor the student experience in the learning path, including single sign-on from Blackboard, Canvas, and D2L. Join us to learn more about these exciting developments, including several brand-new courses available for review, and enter to win a \$25 Amazon gift card!

## 2:00-4:00 Concurrent Special and Contributed Sessions

HSC 318. Special Session on What Hath Fibonacci Wrought? Part 1. Organizers: Brian Beasley (Presbyterian College) and David Stone (Georgia Southern University).

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| ---: | :--- | :--- | :--- | :--- |
| $2: 00$ | SS1.1* | Fibonacci Series Seriously | Steven Edwards | Kennesaw State <br> University |
| $2: 20$ | SS1.2* | Areas of Fibonacci and Lucas Polygons | Jeremiah Bartz | Francis Marion <br> University |
| $2: 40$ | SS1.3* | From Fibonacci Sequence to Solving <br> Polynomials. Preliminary Report. | Soowhan Yoon | Mercer <br> University |
| Additional Author: Curtis Herink, Mercer University | Wilson Harvey | South Carolina |  |  |
| 3:00 | SS1.4* | Covering Systems Concerning the <br> Fibonacci Numbers |  |  |
| Additional Author: Michael Filaseta, University of South Carolina <br> Ognian Trifonov, University of South Carolina |  |  |  |  |
| 3:20 |  |  |  |  |
| SS1.5* | Fibonacci in Cantor's Proof of <br> Uncountability |  |  |  |
| Additional Author: Mike Krebs, Cal State, LA | Tom Wright | Wofford College |  |  |

HSC 316. Special Session on the Teaching of Courses in the First Two Years of College. Part 1. Organizer, Alice Pierce (Georgia Perimeter College)

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :--- | :--- | :--- | :--- |
|  |  | Differentiated Calculus: How does prior |  |  |
|  |  | Calculus knowledge of peers affect students' <br> 2:00 | SS2.1* | Adam <br> Graham- <br> Squire |

Additional Authors: Lindsay Piechnik and Karen O'Hara, High Point University

| 2:20 | SS2.2 | Review Revisited | Diana <br> McGinnis | Perimeter College at Georgia State University |
| :---: | :---: | :---: | :---: | :---: |
| 2:40 | SS2.3* | Computer-Based Precalculus and Calculus | Francesco <br> Strazzullo | Reinhardt <br> University |
| 3:00 | SS2.4* | Why Undergraduate Students cannot Execute Their own Global Plans for Solving Mathematical Problems in In-class Assignments. | Kedar Nepal | Mercer University |
| 3:20 | SS2.5* | Creating Connections in an Online Classroom | Allison <br> Williams | Perimeter College at Georgia State University |
| 3:40 | SS2.6* | Application of Cycloid to Techniques of Integration | Dana Stanfill | University of Tennessee at Martin |

HSC 220. Special Session on Best Practices in the First and Second Courses of Elementary Statistics, Organizer, Philip Larson (Greenville Technical College)

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :--- | :--- | :--- | :--- |
| 2:00 | SS3.1* | Low Tech Student Engagement <br> Techniques | Cathy Whitlock | UNC Asheville |
| 2:20 | SS3.2* | Incorporating Real Data Sets and Writing <br> into an Introductory Statistics Course <br> Focused on Sports and Games | Joe DeMaio | Kennesaw State <br> University |
| Additional Author: Amy Hillen, Kennesaw State University |  |  |  |  |

HSC 310. Special Session on Activities for Math Clubs, Part 1, Organizer, Meredith Burr (Clemson University)

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| ---: | :--- | :--- | :--- | :--- |
| $2: 00$ | SS4.1* | Using Math Club Activities to Create a <br> Dynamic Departmental Learning <br> Community | Julie Barnes | Western Carolina <br> University |
| $2: 20$ | SS4.2* | Udditional Author: Bethany Molokach, Western Carolina University <br> Collaboration via a Math/CS Club | Kailee Gerzema | Belmont <br> University |
| $2: 40$ | SS4.3* | Math Club Events at the University of <br> North Alabama | Emily Malone | University of <br> North Alabama |
| $3: 00$ | SS4.4* | Using Popular Games to Promote <br> Mathematics | Ronda Sanders | University of <br> South Carolina |

HSC 314. Special Session on Presentations by Beginning Faculty. Organizer, Ron Taylor (Berry College)

| Time | Talk <br> Number | Title | Presenter | Affiliation |  |
| :---: | :--- | :--- | :--- | :--- | :---: |
| $2: 00$ | SS5.1 | Essential Pattern Groups of Finite Tree <br> Automorphisms | Andrew <br> Penland | Western Carolina <br> University |  |
| $2: 20$ | SS5.2 | Infinite Wedge Representations of a Lie <br> Superalgebra | Statistical Analysis of Sedimentological <br> and Paleontological Data from the <br> Blackwater Draw Formation | Jillian <br> Stupiansky |  |
| 2:40 | SS5.3* | Belmont <br> University |  |  |  |
| Additional Authors: David Schmidt, Westminster College; Brian Steffen, South Louisiana Community <br> College |  |  |  |  |  |
| 3:00 | SS5.4* | DI-pathological graphs and the link to <br> inverse domination | John Asplund | Dalton State <br> College |  |
| Additonal Authors: Joe Chaffee, Kaiser Permanente; James Hammer, Cedar Crest College; Ossama <br> Saleh, University of Tennessee at Chattanooga; Lucas Van der Merwe, University of Tennessee at <br> Chattanooga; Terry Walters, University of Tennessee at Chattanooga |  |  |  |  |  |
|  |  |  |  |  |  |
| 3:20 | SS5.5* | Undergraduate Research in Permutation <br> Groups and Sliding Disk Puzzles | Lee Raney | North Alabama |  |
| Additional Authors: W. Andrew Craft, University of North Alabama; Austin Oldag, University of North <br> Alabama; Andrew Penland, Western Carolina University |  |  |  |  |  |

HHB 227. Special Session on Critiqued Presentations by Graduate Students. Organizer: Kristen Abernathy, Winthrop University

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 2:00 | GW1.1* | On the Density of Reciprocal Bases | Keith Terrill | Tennessee Technological University |
| 2:20 | GW1.2 | Students' Performance, Challenges and Needs in High School Mathematics in the Southwest Georgia | Courtney Brown | Albany State University |
| Additional Author: Li Feng, Albany State University |  |  |  |  |
| 2:40 | GW1.3 | Conditions for the Existence of Gorenstein Projective Precovers | Michael Fox | Georgia Southern University |
| Additional Author: Alina Iacob, Georgia Southern University |  |  |  |  |
| 3:00 | GW1.4 | An Improved Modal Interval Algorithm for Unconstrained Continuous Minimax Problems | Xin Luo | University of Alabama |
| Additional Author: Min Sun, University of Alabama |  |  |  |  |
| 3:20 | GW1.5 | On linear list \$r\$-hued colorings of sparse graphs | Murong Xu | West Virginia University |

HHB 121. Contributed Session on Undergraduate Research and the Teaching of Upper Level Mathematics. Session Chair: Antara Mukherjee

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| ---: | :--- | :--- | :--- | :--- |
| $2: 20$ | CP1.2* | Quasigroups and Undergraduate Research <br> Projects | Mark Greer | University Of <br> North Alabama |
| $2: 40$ | CP1.3* | Abstract Algebra Discovery Projects | Karen Briggs | University of <br> North Georgia |
| 3:00 | CP1.4* | Introducing Students to Conjectures, <br> Exploration and Visual Proofs using <br> Experiments in Topology | Antara <br> Mukherjee | The Citadel |

HHB 124. Contributed Session on Analysis and Applications. Session Chair: Ashok Kumar

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 2:00 | CP2.1* | Compute the exponential of matrix with new scaling-squaring Chebyshev algorithm | Yilian Zhang | University of South Carolina Aiken |
| 2:20 | CP2.2* | Abel's Identity, Vandermonde Matrices, and Proof | Sungkon Chang | Armstrong State University |
| 2:40 | CP2.3 | A delay differential equation model of phosphorylation of endothelial nitric oxide synthase | Lake Ritter | Kennesaw State University |
| Additional Authors: John Salerno and Carol Chrestensen, Kennesaw State University |  |  |  |  |
| 3:00 | CP2.4* | Mathematical and Computational Modeling of Certain Biological Systems | Marrisa A Merrell | Albany State University |
| Additional Author: Anilkumar Devarapu, Albany State University |  |  |  |  |
| 3:20 | CP2.5* | Double Negative Behavior in Metamaterials | Yue Chen | Auburn University at Montgomery |
| Additional Author: Robert Lipton, Louisiana State University |  |  |  |  |
| 3:40 | CP2.6* | ADRC Control of Lorenz Systems with Uncertainties | Zachary Espe | Georgia Southern University Math Department |

HHB 125. Contributed Session on Number Theory and Algebra. Session Chair: Shivappa Palled

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :--- | :--- | :--- | :--- |
| $2: 00$ | CP3.1* | Runs of Consecutive Abundant Numbers | Bill Linderman | King University |
| $2: 20$ | CP3.2* | No Fractions: Integer Solutions for Linear <br> Equations | Jeffrey Clark | Elon University |
| $2: 40$ | CP3.3* | Progress on the Perfect Cuboid | John J McKinley |  |
|  |  | Investigating the Truncated Jacobi Triple <br> Product | Louis Kolitsch | The University <br> of Tennessee at <br> Martin |
| $3: 00$ | CP3.4* | CP3.5* | Capelli-Rédei Theorem, Solvable Quintics, <br> and Finite Fields | Matt Lunsford | | Union |
| :--- |
| University |

HHB 126. Contributed Session on Graph Theory and Voting Theory. Session Chair: Ben Wescoatt

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 2:00 | CP4.1* | Hypergraph Ramsey Numbers Involving Paths and Stars | Mark Budden | Western <br> Carolina <br> University |
| Additional Authors: Josh Hiller, University of Florida; Aaron Rapp, University of North Carolina Greensboro |  |  |  |  |
| 2:20 | CP4.2* | Extremal Graph Theory for Graph Substructures | Lauren Keough | Davidson College |
| Additional Author: Jamie Radcliffe, University of Nebraska-Lincoln |  |  |  |  |
| 3:00 | CP4.3 | Monotonicity Violations in Instant Runoff Voting | Adam GrahamSquire | High Point <br> University |

CH 205. Undergraduate Papers Session A.

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 2:00 | UT1.1 | State Space Graphs and the N-Queens Problem | Abrahim <br> Ladha | Armstrong State University |
| Additional Author: Dr. Tricia Brown, Armstrong State University |  |  |  |  |
| 2:20 | UT1.2 | Exploring Ramsey Theory | Tucker Dowell | Belmont University |
| 2:40 | UT1.3 | On the 6-cordiality of trees | Michelle <br> Nguyen | Clayton State University |
| Additional Authors: Elliot Krop and Keith Driscoll, Clayton State University |  |  |  |  |
| 3:00 | UT1.4 | Strategy for a Closed Knight's Tour in the Fourth Dimension | Taylor McCracken | BirminghamSouthern College |
| Additional Author: Xiaokun Ye, Birmingham-Southern College |  |  |  |  |
| 3:20 | UT1.5 | The Radio Number of \$K_n \Box P\$ | Sarah Locke | University of Tennessee at Martin |
| Additional Author: Amanda Niedzialomski, University of Tennessee at Martin |  |  |  |  |

CH 443. Undergraduate Papers Session B.

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 2:00 | UT2.1 | Intermingled ascending wave M-sets with three colors | Takuya Wakayama | Davidson College |
| Additional Author: Dr. Carl Yerger, Davidson College |  |  |  |  |
| 2:20 | UT2.2 | Matrix Group Representation of Music Compositions | Jack <br> Wagner | Armstrong State University |
| 2:40 | UT2.3 | On the Sequences of Exponents in Prime Factorization | Safa <br> Motallebi | Auburn <br> University at <br> Montgomery |
| Additional Author: Luis Alberto Cueva-Parra, Auburn University at Montgomery |  |  |  |  |
| 3:00 | UT2.4 | Triangles in Cayley Graphs | C. Matthew Farmer | Winthrop <br> University |
| Additional Author: Jessie Hamm, Winthrop University |  |  |  |  |
| 3:20 | UT2.5 | Determining the Rank of a Kronecker Sum and Characterizing Its Generalized Eigenvectors | Kirsten <br> Morris | Georgia College <br> \& State <br> University |
| Additional Author: Brandon Samples, Georgia College \& State University |  |  |  |  |
| 3:40 | UT2.6 | Distributions of Twin, Cousin, \& Sexy Primes and Conjectures | Cydney Caldwell | Lenoir-Rhyne University |

## CH 204. Undergraduate Papers Session C.

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 2:00 | UT3.1 | A 15 Puzzle Game | W. Dalton Ethridge | USC Salkehatchie |
| 2:20 | UT3.2 | Modeling habitat fragmentation at the landscape level via reaction diffusion equations | Alyssa Barnett <br> \& Dexter <br> Harrell | Auburn <br> University <br> Montgomery |
| Additional Author: Jerome Goddard II, Auburn University Montgomery |  |  |  |  |
| 2:40 | UT3.3 | Finding Fractional Order Derivatives on Discrete Domains | Philip Paynter | Coastal Carolina University |
| 3:00 | UT3.4 | Periodic Billiards Paths in Rational Approximations of Non-Rational Triangles | Harrison <br> Watts | Dalton State College |
| Additional Author: Jason Schmurr, Dalton State College |  |  |  |  |
| 3:20 | UT3.5 | Modeling the Dynamics of Glioblastoma Multiforme and Cancer Stem Cells | Stephen <br> Steward | Winthrop University |
| Additional Authors: Maria Voelstad, Kristen Abernathy, and Zachary Abernathy, Winthrop University |  |  |  |  |

CH 396. Undergraduate Papers Session D.

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| ---: | :--- | :--- | :--- | :--- |
| 2:00 | UT4.1 | Momentum Term for the Modified Spectral <br> Projected Subgradient Method (MSPS) | Samantha <br> Clapp | Georgia College <br> and State <br> University |
| Additional Authors: Milagros Loreto, University of Washington, Bothell; Charles Cratty, Westminster <br> College; and Breeanna Page, Eastern Washington University |  |  |  |  |
| $2: 20$ | UT4.2 | Bidding Connect Four | Amanda <br> Amerson | Birmingham- <br> Southern College |
| 2:40 | UT4.3 | Optimizing power and efficiency of a model <br> heat engine | Erez <br> Kaminski | Birmingham- <br> Southern College |
| 3:00 | UT4.4 | Using Weighted Bipartite Matchings to <br> Decrease Profit Loss | Kevin <br> McCarey | Coastal Carolina <br> University |
| 3:20 | UT4.5 | Integrating 3D Printing and Computational <br> Tools in Synthetic Biology | Erica Shook | Davidson College |

## 4:15-5:20 GS2.1* General Session II, HSC 331-333 (Ballroom). Charlotte Knotts-Zides, Section Governor, presiding. Awards. <br> Invited address: Voting in Agreeable Societies, Francis Su, Harvey Mudd College

Saturday, 26 March
7:30-10:30 Registration, HSC Third Floor Lobby.
7:50-8:35 MAA-SE Business Meeting, HSC 318
8:00-1:00 Exhibits, HSC Third Floor Lobby.
7:30-10:30 Refreshments available, HSC Third Floor Lobby and HHB Lobby.

## 8:45-9:45 General Session III, HSC 331-333 (Ballroom). <br> Pat Humphrey, MAA-SE Chair, presiding.

## I nvited Addresses:

## GS3.1* Modeling the Cancer Stem Cell Hypothesis, Kristen Abernathy, Winthrop University

GS3.2* Some of my favorite problems from the UGA Math Tournament. Mo Hendon. Universitv of Georaia

| $10: 00-11: 30$ | Department Chairs' Meeting, HSC 203. |
| :--- | :--- |
| $7: 30-10: 10$ | Undergraduate Poster setup, HSC 330 (Ballroom). |
| $10: 10-10: 45$ | Undergraduate Poster judging, HSC HSC 330 (Ballroom). |
| $\mathbf{1 0 : 4 5 - 1 2 : 0 0}$ | Undergraduate Poster Session, HSC HSC 330 (Ballroom). <br> $\quad$ Organizer: Christopher Raridan, Clayton State University. |

## Undergraduate Poster Titles

| Talk <br> Number | Title of Poster | Presenter | Affiliation |
| :---: | :---: | :---: | :---: |
| UP1.1 | Integrating Mathematics and Technology for Assessing Athletes' Therapy | Willy Akasson | Emmanuel College |
| Additional Author: Bruce E. Scranton, Emmanuel College |  |  |  |
| UP1.2 | Exploring Tensor Analysis and Differential Geometry | Preston Alexander | Francis Marion University |
| UP1.3 | Arterial Remodeling in Hypertension | Daniel Alligood | Berry College |
| Additional Authors: Valerie McLure and Austin Miller, Berry College |  |  |  |
| UP1.4 | Ramsey Numbers for Trees with Large Maximum Degree | Sami Austin | King University |
| UP1.6 | How Radical Was the Arithmetic at the Beginning of the Radical Decade? | Gabrielle Beam | Western Carolina University |
| UP1.7 | Curiosity's Flight Path to Mars | Bridgette Berry | Western Carolina University |
| UP1.8 | Modeling the Survival Outcome of Leukemia | James Brown | Francis Marion University |


| UP1.9 | Flight Optimization of a Discus | Samantha Cortese | Emmanuel College |
| :---: | :---: | :---: | :---: |
| UP1.10 | Space Filling Curves | Camiron DeLoach | University of Tennessee at Martin |
| UP1.11 | Space Filling Curves | Shaquille Dixon | Coastal Carolina University |
| UP1.12 | Diagonal Ramsey Numbers for Trees with 9 Vertices | Josias Gomez | King University |
| UP1.13 | Choose a Number | Teryese Grant | Francis Marion University |
| UP1.14 | Closing the Gap on Multifold Triple Systems | Kendrick Hardison | Francis Marion University |
| UP1.15 | Fibonacci Number of the Chorded Cycle Graph | Denise Hernandez | Kennesaw State University |
| Additional Authors: David Richmond and Dr. Joe DeMaio, Kennesaw State University |  |  |  |
| UP1.16 | Does Pitcher’s Arm Angle Affect Baseball Velocity? | Hudson Jacobs | Emmanuel College |
| Additional Author: Bruce E. Scranton, Emmanuel College |  |  |  |
| UP1.17 | Independence polynomal of a path-like graph. | Taylor Jenkins | The University of North Carolina at Asheville |
| Additional Author: Patrick Bahls, UNC Asheville |  |  |  |
| UP1.18 | Differential Geometry in General Relativity | John Mastrobeti | Coastal Carolina University |
| UP1.20 | The Mathematics of Real Estate Appraisal: Expenses vs Income | Meshach McKnight | Emmanuel College |
| Additional Author: Bruce Scranton, Emmanuel College |  |  |  |
| UP1.21 | Extending Five Spirals to Fullerenes | Bethany Molokach | Western Carolina University |
| Additional Authors: Kyle Flanagan, St. Mary's College of Maryland; Rachel Olugbemi, Gordon College; and Christina Graves, The University of Texas at Tyler |  |  |  |
| UP1.23 | An ODE Model of Reverse Cholesterol Transport in Atherosclerosis | Shawn Phillips | Kennesaw State University |
| Additional Author: Lake Ritter, Kennesaw State University |  |  |  |
| UP1.24 | Tangle numbers of knots | Robby Quarles | Berry College |
| UP1.25 | Fibonacci Number of the Chorded Cycle | David Richmond | Kennesaw State University |
| Additional Author: Joe DeMaio and Denise Hernandez, Kennesaw State University |  |  |  |


| UP1.26 | An Analysis of the Impact of the CSU <br> Peer Leader Program on Student <br> Performance in 2014-2015 | Harrison Sharitt | Columbus State <br> University |
| :---: | :---: | :---: | :---: |
| Additional Author: Timothy Howard, Columbus State University |  |  |  |
| UP1.27 | Separable equivalence | Carter Smith | Berry College |
| Additional Author: Ron Taylor and Michael Papazian, Berry College |  |  |  |
| UP1.28 | Controlling Chaotic Systems | Brent Swallow | Francis Marion University |
| UP1.29 | An Analysis of a Modified Game of Chutes and Ladders | Rebecca Wauford | Christian Brothers University |
| UP1.30 | The Basel Problem | Brandon Wiest | Coastal Carolina University |

## 10:00-12:00 Concurrent Special and Contributed Sessions.

HSC 318. Special Session on What Hath Fibonacci Wrought? Part 2. Organizers: Brian Beasley (Presbyterian College) and David Stone (Georgia Southern University).

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :--- | :--- | :--- | :--- |
| $10: 00$ | SS6.1* | The Fibonacci Number of Tadpole and <br> Jellyfish Graphs | Joe DeMaio | Kennesaw State <br> University |
| $10: 20$ | SS6.2* | On the number of decompositions of <br> $0= \pm F_{0} \pm F_{1} \pm F_{2} \pm \cdots \pm F_{n}$ | Eugen J. <br> Ionascu | CSU, Columbus, <br> GA |
| Additional Author: Dorin Andrica, Babes Bolyai University |  |  |  |  |
| $10: 40$ | SS6.3* | A greedy continued fraction | andrew simoson | king university |
| $11: 00$ | SS6.4* | Comparing 2-adic Orders of Factorials <br> and Fibonacci Products | Presbyterian <br> College |  |

HSC 316. Special Session on the Teaching of Courses in the First Two Years of College. Part 2. Organizer, Alice Pierce (Georgia Perimeter College)

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :--- | :--- | :--- | :--- | :--- |
|  |  | Engaging Non-Majors in Quantitative <br> Reasoning Students | Laura <br> Lynch | College of <br> Coastal Georgia |


|  |  |  |  | Georgia State <br> University at <br> Perimeter College |
| :--- | :--- | :--- | :--- | :--- |
| $10: 20$ | SS7.2* | Note-Taking: One Step Ahead | Cindy Box |  |
| $10: 40$ | SS7.3* | Elementary Preservice Teacher Education: <br> Facilitating a Focus on Student Thinking | Patty Anne <br> Wagner | University of <br> North Georgia |
| $11: 00$ <br> $\&$ |  |  | William | Georgia State <br> $11: 20$ |
| SS7.4* | Easy To Use GeoGebra Functions | Uniffin at <br> Perimeter College |  |  |

Additional Author: Joanna Wilson, Georgia State University at Perimeter College
HSC 314. Special Session on Advances in the Theory and Applications of Dynamical Systems, Organizer, Israel Ncube (Alabama A \& M University and MIT)

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 10:00 | SS8.1* | Stability in a scalar differential equation with multiple, distributed time delays | Israel Ncube | Alabama A \& M University and MIT |
| 10:20 | SS8.2 | A Non-Hereditary Realization [via a Kolmogorov-Einstein Type Diffusion Equation] of Fractional Derivatives with Respect to an Arbitrary Function: An Application to the Stabilization of a OneDimensional Euler-Bernoulli Equation. | Brahima <br> Mbodje | Lenoir-Rhyne University |
| 10:40 | SS8.3* | Symmetry, geometric phase, and holonomy: falling cats and swinging clocks | Jeffrey Lawson | Western Carolina University |
| Additional Author: Matthew Rave, Western Carolina University |  |  |  |  |
| 11:00 | SS8.4* | Mixed mode oscillations in a stochastic two-trophic ecological model | Susmita Sadhu | Georgia College \& State University |
| 11:20 | SS8.5* | A problem on global stability of a ratiodependent predator-prey model | Yinshu Wu | Alabama A\&M University |
| Additional Author: Dr. Wenzhang Huang, The University of Alabama in Huntsville |  |  |  |  |

HSC 310. Special Session on Activities for Math Clubs, Part 2, Organizer, Meredith Burr (Clemson University)

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :--- | :--- | :--- | :--- |
| 10:00 | SS9.1* | Dead Poets Society | Ron Taylor | Berry College |
| Additional Author: Robert Vallin, Lamar University |  |  |  |  |


| 10:20 | SS9.2* | Successful Math Club Activities at UNG | Catrina May | University of North Georgia |
| :---: | :---: | :---: | :---: | :---: |
| Additional Authors: Brandon Myers, Shae Lecroy, Miranda Booker, and Karen Briggs, University of North Georgia |  |  |  |  |
| 10:40 | SS9.3* | What's Your Bid? Encouraging Creativity and Teamwork by Holding a Math Auction | Rachel Grotheer | Clemson <br> University |
| 11:00 | SS9.4* | Service Projects for Math Clubs | Laura Lynch | College of Coastal Georgia |

## HHB 121. Contributed Session on Student Recruitment and Student Learning. Session Chair: Francesco Strazzullo

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :--- | :--- | :--- | :--- |
| $10: 00$ | CP5.1* | Analyzing the Factors of Predections on <br> Student Performance in the HBCU in the <br> Calculus | Mohammed <br> Hanif Talukder | Elizabeth City <br> State University |
| $10: 20$ | CP5.2* | Supplemental Instruction Shaping Student <br> Success | Brandon <br> Samples | Georgia College |$\quad$| Additional Author: Emily Baum, Georgia College | Columbus State <br> $10: 40$ | CP5.3* | Use of Internship Experiences to Recruit <br> Pre-service Math and Science Teachers |
| :--- | :--- | :--- | :--- |
| Additional Authors: Deborah Gober, Kimberly Shaw, Cindy Ticknor, Columbus State University |  |  |  |
|  |  | Using Formative Assessment with Pre- <br> service Teachers to Develop a Conceptual <br> Knowledge of "Arithmetic \& Algebraic" <br> Fractions and Operations | Darley |

HHB 124. Contributed Session on Numerical Methods and Applications. Session Chair: Allison Williams

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :--- | :--- | :--- | :--- | :--- |
| 10:00 | A New Algorithm for Maximum Flow <br> CP6.1* <br> Push Algorithm | Allan C <br> Pangburn | USC Lancaster |  |
| Additional Author: John Karlof, UNC Wilmington |  |  |  |  |


| 10:20 | CP6.2 | Global Asymptotic Stability in a Model of <br> Networks | Hassan <br> Fathallah- <br> Shaykh | UAB |
| :---: | :--- | :--- | :--- | :--- |
| $10: 40$ | CP6.3* | Feasibility Sampling in Interval Methods <br> for Special Multi-Constrained Global <br> Optimization | Mengyi Ying | University of <br> North Goergia |
| $11: 00$ | CP6.4 | Construction of compactly supported tight <br> wavelet frames | Jie Zhou | Methodist <br> University |
| $11: 20$ | CP6.5 | Linear Algebra in Compressed Sensing | Ghan S. Bhatt | Tennessee State <br> University |

HHB 125. Contributed Session on Geometry and Topology. Session Chair: Ghan S. Bhatt

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 10:00 | CP7.1* | Circling the Triangle: Constructing a Class of Delta Curves | William Griffiths | Kennesaw <br> State <br> University |
| Additional Authors: William Selman, Philip Davis, Kennesaw State University |  |  |  |  |
| 10:20 | CP7.2* | The locus of "median lines" of Sierpinski's triangle | Eduardo Dueñez | University of Texas at San Antonio |
| 10:40 | CP7.3* | Triangular billiard surfaces | Jason Schmurr | Dalton State College |
| 11:00 | CP7.4 | New examples of almost positive curvature | Jason DeVito | The <br> University of Tennessee at Martin |

HHB 126. General Contributed Session. Session Chair: Ben Wescoatt

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :--- | :--- | :--- | :--- | :--- |
| $10: 00$ | CP8.1* | Reality Math |  | University of <br> North <br> Carolina at <br> Asheville |
| $10: 20$ | CP8.2* | A fair-bold gambling function is simply <br> singular | Dot Sulock | Richard Neidinger | | Davidson |
| :--- |
| College |


| $10: 40$ | CP8.3* | Handicapping No-Tap Bowling | Carl Yerger | Davidson <br> College |
| :---: | :--- | :--- | :--- | :--- |
| Additional Author: Richard Yan, Davidson College |  | Barrett Walls | Georgia State <br> University |  |
| 11:00 | CP8.4* | Some Unusual Calculus Problems |  |  |
| Additional Author: Iason Rusodimos, Georgia State University |  |  |  |  |
| $11: 20$ | CP8.5* | The Cuban Challenge, A Linear Algebra <br> Problem? | Lothar Dohse | Asheville |

## CH 205. Undergraduate Papers Session E.

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 10:00 | UT5.1 | Elliptic Curve Cryptography and the Lenstra Algorithm | Moses <br> Chandiga | Methodist <br> University |
| 10:20 | UT5.2 | Weaker Forms of Lehmer Numbers | Tyler <br> Woolley | Wofford College |
| 10:40 | UT5.3 | Figure Eight Sidewalk Patterns: Let's Count with Fibonacci and Lucas Numbers | Thinh Truong | Lenoir-Rhyne University |
| Additional Author: Chelsea Noel |  |  |  |  |
| 11:00 | UT5.4 | Augmented Happy Functions of Higher Power | Marcus <br> Harbol | The Citadel |
| Additional Author: Breeanne Swart, The Citadel |  |  |  |  |
| 11:20 | UT5.5 | A Series of Four Sums of a Fibonacci Number to the Fourth Power | Nathan McAnally | The Citadel |
| 11:40 | UT5.6 | A new quasi-positively curved biquotient of Sp(3) | Wesley <br> Martin | The University of Tennessee at Martin |
| Additional Author: Jason DeVito, The University of Tennessee at Martin |  |  |  |  |

## CH 443. Undergraduate Papers Session F.

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 10:00 | UT6.1 | Logistic Regression Analysis in the NFL | Alex Fawal | Birmingham Southern College |
| Additional Author: Jordan McKnight, Birmingham Southern College |  |  |  |  |
| 10:20 | UT6.2 | Convergence rates for high-dimensional halfspace depth | Robert J. <br> Fabrizio | Clemson <br> University |
| Additional Author: Michael A. Burr, Clemson University |  |  |  |  |
| 10:40 | UT6.3 | Random Visibility in Unit Bars | Jiarui Chu | Davidson College |
| Additional Author: Laurie J. Heyer, Davidson College |  |  |  |  |
| 11:00 | UT6.4 | Complete Graph Decompositions and PGroupoids | John Carr | University of North Alabama |
| 11:20 | UT6.5 | A Decomposition of Parking Functions By Undesired Spaces | Melody <br> Bruce | Western Carolina University |
| Additional Authors: Ian Nicolas, Pacific University; Michael Dougherty, University of California, Santa Barbara; Max Hlavacek, Harvey Mudd College; and Ryo Kudo, University of California, Los Angeles |  |  |  |  |
| 11:40 | UT6.6 | On Bond Percolation in the Infinite Knight Graph | Kristin <br> Hinson | Winthrop University |

## CH 204. Undergraduate Papers Session G.

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :--- | :--- | :--- | :--- |
| $10: 00$ | UT7.1 | A Generalization of an Inequality with <br> Harmonic Means | John Risher | USC Salkehatchie |
| $10: 20$ | UT7.2 | Graphical Modeling of Time Sensitive <br> Resource Allocation | Nikolas <br> Colbrook | Georgia Southern <br> University |
| $10: 40$ | UT7.3 | Modeling infectious disease epidemics in <br> discrete time with stochastic simulation for <br> measles | Valerie <br> Welty | Georgia Southern |
| Additional Author: Patricia Humphrey, Georgia Southern University | University |  |  |  |
| $11: 00$ | UT7.4 | Codes in Higher Dimensions | Samantha <br> Scoggins | Methodist <br> University |
| $11: 20$ | UT7.5 | Balancing Skeletal Chemical Equations Using <br> Matrices | Emir <br> Nazdrajic | Methodist <br> University |

CH 396. Undergraduate Papers Session H.

| Time | Talk <br> Number | Title | Presenter | Affiliation |
| :---: | :---: | :---: | :---: | :---: |
| 10:00 | UT8.1 | Dynamics of Co-orbital Moons Near Collision | Kimberly Stubbs | UNC Asheville |
| Additional Authors: Fahd El Yahiaoui and Samuel R. Kaplan, UNC Asheville |  |  |  |  |
| 10:20 | UT8.2 | Fermat and Descartes: An Unlikely Collaboration | Caleb <br> Macdonald | UNC Asheville |
| Additional Authors: Gregory Boudreaux, UNC Asheville |  |  |  |  |
| 10:40 | UT8.3 | Effectiveness of a Supplemental Instruction Program in a Statistics Classroom | Emily Baum | Georgia College |
| Additional Author: Brandon Samples, Georgia College |  |  |  |  |
| 11:00 | UT8.4 | A Mathematical Model for Predicting 300 Meter Hurdle Race Times | Marquis Pratt | BirminghamSouthern College |
| Additional Author: Conner Young, Birmingham-Southern College |  |  |  |  |
| 11:20 | UT8.5 | Using Hierarchical Linear Models to Measure Resin Growth on trees in the Peruvian Amazon | Vaibhav <br> Jain \& Luke <br> Plowden | George Washington University |

## 12:15-1:15 Math Jeopardy Final Round: HSC 330-333 <br> Announcement of Student Prize Winners.

Index of Speakers

| Talk |  | Talk |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Talk Day | Time | Last Name | First Name | Email Address |
| GS3.1 | Saturday | 8:45 | Abernathy | Kristen | abernathyk@winthrop.edu |
| UP1.1 | Saturday | 10:00 | Akasson | Willy | s.wcakasson@ec.edu |
| UP1.2 | Saturday | 10:00 | Alexander | Preston | PAlexander5044@g.fmarion.edu |
| UP1.3 | Saturday | 10:00 | Alligood | Daniel | daniel.alligood@vikings.berry.edu |
| UT4.2 | Friday | 2:20 | Amerson | Amanda | aaamerso@bsc.edu |
| CP4.3 | Friday | 2:40 | Arangno | Deborah | deborah.arangno@Ir.edu |
| SS5.4* | Friday | 3:00 | Asplund | John | jasplund@daltonstate.edu |
| UP1.4 | Saturday | 10:00 | Austin | Sami | sdaustin@student.king.edu |
| SS4.1* | Friday | 2:00 | Barnes | Julie | jbarnes@email.wcu.edu |
| UT3.2 | Friday | 2:20 | Barnett | Alyssa | abarnet6@aum.edu |
| SS1.2* | Friday | 2:20 | Bartz | Jeremiah | jbartz@fmarion.edu |
| UT8.3 | Saturday | 10:40 | Baum | Emily | emily.baum@bobcats.gcsu.edu |
| UP1.6 | Saturday | 10:00 | Beam | Gabrielle | gibeam1@catamount.wcu.edu |
| SS6.4* | Saturday | 11:00 | Beasley | Brian | bbeasley@presby.edu |
| UP1.7 | Saturday | 10:00 | Berry | Bridgette | boberry1@catamount.wcu.edu |
| SS7.2* | Saturday | 10:20 | Box | Cindy | cbox@gpc.edu |
| CP1.3 | Friday | 2:40 | Briggs | Karen | kbriggs@ung.edu |
| GW1.2 | Friday | 2:20 | Brown | Courtney | courtneybrown@calhoun.k12.ga.us |
| UP1.8 | Saturday | 10:00 | Brown | James | JBrown2989@g.fmarion.edu |
| UT6.5 | Saturday | 11:20 | Bruce | Melody | mamacdonald1@catamount.wcu.edu |
| CP4.1 | Friday | 2:00 | Budden | Mark | mrbudden@email.wcu.edu |
| UT2.6 | Friday | 3:40 | Caldwell | Cydney | cydney.caldwell@my.Ir.edu |
| UT6.4 | Saturday | 11:00 | Carr | John | jacarr1@una.edu |
| UT5.1 | Saturday | 10:00 | Chandiga | Moses | kmkmoses2@gmail.com |
| CP2.2 | Friday | 2:20 | Chang | Sungkon | sungkon.chang@armstrong.edu |
| CP2.5 | Friday | 3:20 | Chen | Yue | ychen5@aum.edu |
| UT6.3 | Saturday | 10:40 | Chu | Jiarui | jichu@davidson.edu |
| UT4.1 | Friday | 2:00 | Clapp | Samantha | samantha.clapp@bobcats.gcsu.edu |
| CP3.2 | Friday | 2:20 | Clark | Jeffrey | clarkj@elon.edu |
| UT7.2 | Saturday | 10:20 | Colbrook | Nikolas | nc01032@georgiasouthern.edu |
| UP1.9 | Saturday | 10:00 | Cortese | Samantha | s.secortese@ec.edu |
| UP1.10 | Saturday | 10:00 | DeLoach | Camiron | campdelo@ut.utm.edu |
| SS3.2 | Friday | 2:20 | DeMaio | Joe | jdemaio@kennesaw.edu |
| SS6.1* | Saturday | 10:00 | DeMaio | Joe | jdemaio@kennesaw.edu |
| CP7.4 | Saturday | 11:00 | DeVito | Jason | jdevito@ut.utm.edu |
| UP1.11 | Saturday | 10:00 | Dixon | Shaquille | aincogni@coastal.edu |
| CP8.5 | Saturday | 11:20 | Dohse | Lothar | dohse@unca.edu |
| UT1.2 | Friday | 2:20 | Dowell | Tucker | tucker.dowell@pop.belmont.edu |
| CP7.2 | Saturday | 10:20 | Dueñez | Eduardo | eduenez@gmail.com |
| SS1.1* | Friday | 2:00 | Edwards | Steven | sedwar77@kennesaw.edu |


| CP2.6 | Friday | 3:40 | Espe | Zachary | zacharyespe@comcast.net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| UT3.1 | Friday | 2:00 | Ethridge | W. Dalton | wde@email.sc.edu |
| UT6.2 | Saturday | 10:20 | Fabrizio | Robert | rfabriz@g.clemson.edu |
| UT2.4 | Friday | 3:00 | Farmer <br> Fathallah- | C. Matthew | farmerc4@winthrop.edu |
| CP6.2 | Saturday | 10:20 | Shaykh | Hassan | hfshaykh@uabmc.edu |
| UT6.1 | Saturday | 10:00 | Fawal | Alex | adfawal@bsc.edu |
| GW1.3 | Friday | 2:40 | Fox | Michael | mf03881@georgiasouthern.edu |
| SS4.2* | Friday | 2:20 | Gerzema | Kailee | kailee.gerzema@pop.belmont.edu |
| DS1.1 | Friday | 9:00 | Goddard | Jerome | jgoddard@aum.edu |
| UP1.12 | Saturday | 10:00 | Gomez Graham- | Josias | jogomez@student.king.edu |
| CP4.4 | Friday | 3:00 | Squire Graham- | Adam | agrahams@highpoint.edu |
| SS2.1* | Friday | 2:00 | Squire | Adam | agrahams@highpoint.edu |
| UP1.13 | Saturday | 10:00 | Grant | Teryese | tgrant5693@g.fmarion.edu |
| CP1.2 | Friday | $\begin{aligned} & \text { 2:20 } \\ & \text { 11:00 \& } \end{aligned}$ | Greer | Mark | mgreer@una.edu |
| SS7.4* | Saturday | 11:20 | Griffin | William | william.griffin@gpc.edu |
| CP7.1 | Saturday | 10:00 | Griffiths | William | wgriff17@kennesaw.edu |
| SS9.3* | Saturday | 10:40 | Grotheer | Rachel | rgrothe@clemson.edu |
| UT5.4 | Saturday | 11:00 | Harbol | Marcus | mharbol@citadel.edu |
| UP1.14 | Saturday | 10:00 | Hardison | Kendrick | khardison6208@g.fmarion.edu |
| SS1.4* | Friday | 3:00 | Harvey | Wilson | harveywa@math.sc.edu |
| GS3.2 | Saturday | 8:45 | Hendon | Mo | mhendon@uga.edu |
| UP1.15 | Saturday | 10:00 | Hernandez | Denise | dherna19@students.kennesaw.edu |
| UT4.6 | Friday | 3:40 | Hesser | Jonathan | jonathan.hesser@pop.belmont.edu |
| CP5.5 | Saturday | 11:20 | Heyer | Laurie | laheyer@davidson.edu |
| UT6.6 | Saturday | 11:40 | Hinson | Kristin | hinsonk11@winthrop.edu |
| CP5.3 | Saturday | 10:40 | Howard | Tim | Thoward@columbusstate.edu |
| SS6.2* | Saturday | 10:20 | Ionascu | Eugen | math@ejionascu.ro |
| UP1.16 | Saturday | 10:00 | Jacobs | Hudson | s.hbjacobs@ec.edu |
| UT8.5 | Saturday | 11:20 | Jain | Vaibhav |  |
| UP1.17 | Saturday | 10:00 | Jenkins | Taylor | tjenkin1@unca.edu |
| PUB1.1 | Friday | 2:00 | Judy | Emily |  |
| UT4.3 | Friday | 2:40 | Kaminski | Erez | Ekaminsk@bsc.edu |
| CP4.2 | Friday | 2:20 | Keough | Lauren | lakeough@davidson.edu |
| CP3.4 | Friday | 3:00 | Kolitsch | Louis | lkolitsc@utm.edu |
| UT1.1 | Friday | 2:00 | Ladha | Abrahim | al8292@stu.armstrong.edu |
| SS8.3* | Saturday | 10:40 | Lawson | Jeffrey | jlawson@wcu.edu |
| CP3.1 | Friday | 2:00 | Linderman | Bill | wclinder@king.edu |
| UT1.5 | Friday | 3:20 | Locke | Sarah | sarklock@ut.utm.edu |
| CP3.5 | Friday | 3:20 | Lunsford | Matt | mlunsford@uu.edu |
| GW1.4 | Friday | 3:00 | Luo | Xin | xluo10@crimson.ua.edu |
| SS9.4* | Saturday | 11:00 | Lynch | Laura | llynch@ccga.edu |


| SS7.1* | Saturday | 10:00 | Lynch | Laura | llynch@ccga.edu |
| :---: | :---: | :---: | :---: | :---: | :---: |
| UT8.2 | Saturday | 10:20 | Macdonald | Caleb | jmacdona@unca.edu |
| SS4.3* | Friday | 2:40 | Malone | Emily | emalone1@una.edu |
| UT5.6 | Saturday | 11:40 | Martin | Wesley | wesmart@ut.utm.edu |
| DS1.2 | Friday | 10:00 | Mason | Sarah | masonsk@wfu.edu |
| UP1.18 | Saturday | 10:00 | Mastrobeti | John | aincogni@coastal.edu |
| SS9.2* | Saturday | 10:20 | May | Catrina | CAMAY1224@ung.edu |
| SS8.2 | Saturday | 10:20 | Mbodje | Brahima | Brahima.Mbodje@Ir.edu |
| UT5.5 | Saturday | 11:20 | McAnally | Nathan | nmcanall@citadel.edu |
| UT4.4 | Friday | 3:00 | McCarey | Kevin | kmmccarey@g.coastal.edu |
| UT1.4 | Friday | 3:00 | McCracken | Taylor | rtmccrac@bsc.edu |
| SS2.2 | Friday | 2:20 | McGinnis | Diana | dbmcginnis15@yahoo.com |
| CP3.3 | Friday | 2:40 | McKinley | John | Jaybirdmac@gmail.com |
| UP1.20 | Saturday | 10:00 | McKnight | Meshach | s.mtmcknight@ec.edu |
| CP2.4 | Friday | 3:00 | Merrell | Marrisa | anilkumar.devarapu@asurams.edu |
| CP1.5 | Friday | 3:20 | Mike | Joshua | mike@math.utk.edu |
| UP1.21 | Saturday | 10:00 | Molokach | Bethany | bmmolokach1@catamount.wcu.edu |
| UT2.5 | Friday | 3:20 | Morris | Kirsten | kirsten.morris@bobcats.gcsu.edu |
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| CP1.4 | Friday | 3:00 | Mukherjee | Antara | antara.mukherjee@citadel.edu |
| UT7.5 | Saturday | 11:20 | Nazdrajic | Emir | enazdrajic@student.methodist.edu |
| SS8.1* | Saturday | 10:00 | Ncube | Israel | Ncube.Israel@gmail.com |
| CP8.2 | Saturday | 10:20 | Neidinger | Richard | rineidinger@davidson.edu |
| SS2.4* | Friday | 3:00 | Nepal | Kedar | nepal_k@mercer.edu |
| UT1.3 | Friday | 2:40 | Nguyen | Michelle | nnguyen30@student.clayton.edu |
| CP6.1 | Saturday | 10:00 | Pangburn | Allan | pangburn@mailbox.sc.edu |
| UT3.3 | Friday | 2:40 | Paynter | Philip | ptpaynte@g.coastal.edu |
| SS5.1 | Friday | 2:00 | Penland | Andrew | adpenland@email.wcu.edu |
| UP1.23 | Saturday | 10:00 | Phillips | Shawn | physics.shawn@gmail.com |
| UT8.5 | Saturday | 11:20 | Plowden | Luke |  |
| UT8.4 | Saturday | 11:00 | Pratt | Marquis | mapratt@bsc.edu |
| UP1.24 | Saturday | 10:00 | Quarles | Robby | Robby.Quarles@vikings.berry.edu |
| SS5.5* | Friday | 3:20 | Raney | Lee | Iraney@una.edu |
| GS1.1 | Friday | 12:45 | Raridan | Christopher | ChristopherRaridan@clayton.edu |
| UP1.25 | Saturday | 10:00 | Richmond | David | Drichmo1@students.kennesaw.edu |
| UT7.1 | Saturday | 10:00 | Risher | John | risherj!@email.sc.edu |
| CP2.3 | Friday | 2:40 | Ritter | Lake | Iritter@kennesaw.edu |
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| CP5.2 | Saturday | 10:20 | Samples | Brandon | brandon.samples@gcsu.edu |
| SS4.4* | Friday | 3:00 | Sanders | Ronda | sanders@math.sc.edu |
| SS5.2 | Friday | 2:20 | Schleben | Brad | brad.schleben@belmont.edu |
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| UT7.4 | Saturday | 11:00 | Scoggins | Samantha | sscoggins@student.methodist.edu |
| UP1.26 | Saturday | 10:00 | Sharitt | Harrison | sharitt_harrison@columbusstate.edu |


| UT4.5 | Friday | 3:20 | Shook | Erica | ershook@davidson.edu |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SS6.3* | Saturday | 10:40 | simoson | andrew | ajsimoso@king.edu |
| UP1.27 | Saturday | 10:00 | Smith | Carter | Carter.Smith@vikings.berry.edu |
| SS2.6* | Friday | 3:40 | Stanfill | Dana | dandstan@ut.utm.edu |
| UT3.5 | Friday | 3:20 | Steward | Stephen | stewards2@winthrop.edu |
| SS2.3* | Friday | 2:40 | Strazzullo | Francesco | fs1@reinhardt.edu |
| UT8.1 | Saturday | 10:00 | Stubbs | Kimberly | kstubbs@unca.edu |
| SS5.3* | Friday | 2:40 | Stupiansky | Jillian | jstupiansky@una.edu |
| GS2.1 | Friday | 4:15 | Su | Francis | su@math.hmc.edu |
| CP8.1 | Saturday | 10:00 | Sulock | Dot | dsulock@unca.edu |
| UP1.28 | Saturday | 10:00 | Swallow | Brent <br> Mohammed | brentswallow@aol.com |
| CP5.1 | Saturday | 10:00 | Talukder | Hanif | mtalukder@ecsu.edu |
| SS9.1* | Saturday | 10:00 | Taylor | Ron | rtaylor@berry.edu |
| GW1.1* | Friday | 2:00 | Terrill | Keith | kwterrill21@students.tntech.edu |
| UT5.3 | Saturday | 10:40 | Truong | Thinh | quocthinh.truong@my.Ir.edu |
| UT2.2 | Friday | 2:20 | Wagner | Jack | jw5788@stu.armstrong.edu |
| SS7.3* | Saturday | 10:40 | Wagner | Patty Anne | patty.wagner@ung.edu |
| UT2.1 | Friday | 2:00 | Wakayama | Takuya | tawakayama@davidson.edu |
| CP8.4 | Saturday | 11:00 | Walls | Barrett | barrett.walls@gpc.edu |
| UT3.4 | Friday | 3:00 | Watts | Harrison | hwatts1@daltonstate.edu |
| UP1.29 | Saturday | 10:00 | Wauford | Rebecca | rwauford@cbu.edu |
| UT7.3 | Saturday | 10:40 | Welty | Valerie | vw00536@georgiasouthern.edu |
| SS3.1 | Friday | 2:00 | Whitlock | Cathy | whitlock@unca.edu |
| UP1.30 | Saturday | 10:00 | Wiest | Brandon | bjwiest@g.coastal.edu |
| SS2.5* | Friday | 3:20 | Williams | Allison | allison.williams@gpc.edu |
| UT5.2 | Saturday | 10:20 | Woolley | Tyler | woolleyta@email.wofford.edu |
| SS1.5* | Friday | 3:20 | Wright | Tom | wrighttj@wofford.edu |
| SS8.5* | Saturday | 11:20 | Wu | Yinshu | yinshu.wu@aamu.edu |
| GW1.5 | Friday | 3:20 | Xu | Murong | muxu@mix.wvu.edu |
| CP8.3 | Saturday | 10:40 | Yerger | Carl | cayerger@davidson.edu |
| CP6.3 | Saturday | 10:40 | Ying | Mengyi | mying@ung.edu |
| SS1.3* | Friday | 2:40 | Yoon | Soowhan | 10916858@live.mercer.edu |
| CP2.1 | Friday | 2:00 | Zhang | Yilian | yilianz@usca.edu |
| CP6.4 | Saturday | 11:00 | Zhou | Jie | jzhou@methodist.edu |
| CP5.4 | Saturday | 11:00 |  | Darley | jdarley@georgiasouthern.edu |

## Name

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Frank Patane
Andrew Penland
Lee Raney
Laura Steil
Breeanne Swart

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Clemson University
Davidson College
The University of South Carolina at Salkehatchie
Samford University
Western Carolina University
University of North Alabama
Mars Hill University
The Citadel

## Contributors:

## CENGAGE LEARNING



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## Join us next year at Mercer University Macon, GA March 10-11, 2017

The Mathematics Department in the College of Liberal Arts of Mercer University will host the 2017 annual meeting of the Southeastern Section of the Mathematical Association of America, March 10-11, 2017, during Mercer's spring break. Most meeting rooms will be in the Science and Engineering Building (pictured) and the adjacent Engineering Building (visible in the background). Blocks of rooms will be reserved at several hotels/motels in Macon, including two on the edge of Mercer's campus. Several campus parking lots will be available for your use. Mercer University is easily accessible from Interstate 75. Everyone is invited!

http://sections.maa.org/southeastern/?2017 Conference
MERCER
College of Liberal Arts

## Slate of Nominees for Offices

## Southeastern Section of the Mathematical Association of America

Election of officers to open positions shall be at a business meeting held at the Annual Meeting of the Section. A person nominated and seconded from the floor by any Section member shall be added to the Nominating Committee's slate providing the person nominated has agreed to serve if elected. Election shall be by majority vote of the members of the Section present and voting at the business meeting. Terms of newly elected officers shall begin at the adjournment of the Annual Meeting in which they are elected. (Southeastern Section Bylaws, Article III.4)

Offices Open for Election:
Chair Elect
Vice Chair for Two Year Colleges
Vice Chair for Programs
Section Lecturer
Student Activities Coordinator
Historian
Webmaster
Director of Project NExT-SE (One of three)
State Director (Alabama)
State Director (Georgia)

All other officers continue see:
http://sections.maa.org/southeastern/?Section Information Section Officers and Committees.

Meeting sponsored by:


Students Matter. Success Counts.
Email: for information: ejudy@hawkeslearning.com .

# 143 <br> THE UNIVERSITY OF ALABAMA AT BIRMINGHAM 

## Knowledge that will change your world

The University of Alabama at Birmingham is a public institution with over 18,000 diverse students. UAB's vision is to be an internationally renowned research university - a first choice for education and health care. UAB's mission is to be a research university and academic health center that discovers, teaches and applies knowledge for the intellectual, cultural, social and economic benefit of Birmingham, the State of Alabama and beyond. In the past year, UAB has produced ground-breaking discoveries and innovations, delivering on our promise of "knowledge that will change your world." Our overarching mission pillars embody our commitment to educate, advance research and discovery, care for the sick, respond to the needs of our community and use knowledge to establish Alabama as a progressive economic center that can change the world. With an array of high-quality baccalaureate, masters, doctoral, and professional programs, UAB is a world leader in education.


