

Friday, January 29, 2010

Time	Event	Location
1:00 pm – 3:15 pm	Registration & Snacks <i>Snacks and hot beverages will be provided.</i>	Missouri & Niobrara Room Lower Level, Holiday Inn
3:40 pm – 6:05 pm	Conference Opening Session Judy Walker, University of Nebraska-Lincoln David Manderscheid, Dean of the College of Arts & Sciences, University of Nebraska-Lincoln Allan Donsig, University of Nebraska-Lincoln	Auditorium Second Floor, Nebraska Union
	1 st Plenary Talk: <i>Symmetries, Ping-Pong, and Outer Space</i> Karen Vogtmann, Cornell University	
	Panel Discussion: <i>Careers using Mathematics</i> Moderator: Tina Straley, Mathematical Association of America Panelists: Susan Cooper, University of Nebraska-Lincoln Barbara Jordan, Lockheed Martin Mary Lynn Reed, National Security Agency Linda Thiel, Society for Industrial and Applied Mathematics (SIAM)	
7:00 pm	Banquet & Panel Discussion: <i>Random Bits of Advice</i> Moderator: Carina Curto, University of Nebraska-Lincoln Panelists: Erika Camacho, Arizona State University Pari Ford, University of Nebraska at Kearney Megan Patnott, University of Notre Dame	Lincoln Ballroom Main Level, Holiday Inn

Saturday, January 30, 2010

Time	Event	Location
7:30 am – 8:25 am	Breakfast <i>Additional space will be available in the University Room.</i>	Lincoln Ballroom Main Level, Holiday Inn
Session 1 – Presentations by Undergraduate Students		
	Arbor Room Main Level, Holiday Inn	Missouri & Niobrara Room Lower Level, Holiday Inn
8:30 am – 8:45 am	<i>Chebyshev Polynomials and Their Relationship to Trigonometry and the Fibonacci Numbers Part I</i> Nicole Casella, Ithaca College	<i>Spiraling to My Doom: The Revenge (In 3D!)</i> Kiri Sunde, University of North Carolina
8:50 am – 9:05 am	<i>Chebyshev Polynomials and Their Relationship to Trigonometry and the Fibonacci Numbers Part II</i> Jillian Neeley, Ithaca College	<i>Determining the Number of Distinct Loops of Non-Overlapping Regular n-gons</i> Kathleen Carroll, Wheaton College
9:10 am – 9:25 am	<i>Cost-Conscious Voters in Referendum Elections</i> Lisa Moats, Concordia College	<i>The Gauss-Bonnet Theorem Unveiled</i> Frances Tirado, University of Florida
9:30 am – 9:45 am	<i>Subtraction Games & Computer Applications</i> Karla Schommer, College of St. Benedict	<i>The Cube Bubble in R^n</i> Rebecca Dorff, Brigham Young University
9:50 am – 10:40 am	Panel Discussion: <i>Choosing a Mathematics Graduate Program</i> Moderator: Judy Walker, University of Nebraska-Lincoln Panelists: Catherine Buell, North Carolina State University Ye Sle Cha, State University of New York - Stony Brook Aviva Halani, Arizona State University Katie Johnson, University of Nebraska-Lincoln Megan Patnott, University of Notre Dame Katherine Poirier, City University of New York Katie Walsh, University of California San Diego Crystal Zeager, University of Michigan	Lincoln Ballroom Main Level, Holiday Inn
10:40 am – 11:10 am	Conference Photo <i>If you did not sign a photo release statement, please do not participate in the group photo.</i>	Front steps of the old Federal Building – across the street from the hotel.
	Snack Break	Lower Level, Holiday Inn

Time	Event	Location	
Session 2 – Presentations by Undergraduate Students			
	Arbor Room Main Level, Holiday Inn	Missouri & Niobrara Room Lower Level, Holiday Inn	Platte Room Lower Level, Holiday Inn
11:15 am – 11:30 am	<i>Understanding the impact of low permeability media on remediation strategy via numerical simulation,</i> Xiaojing Fu, Clarkson University	<i>A Guessing Game with Surprisingly Trivial Solution</i> Thu Le, University of the South	<i>Small Norm Matrices and Tensors</i> Elizabeth Collins-Wildman, Carleton College
11:35 am – 11:50 am	<i>The Development and Evaluation of a Geographic Profiling Algorithm</i> Laney Kuenzel, Stanford University	<i>Constructing Cube Knots</i> Samantha Hilker, Sam Houston State University	<i>Extensions of the Heisenberg Group</i> Laura Janssen, University of Nebraska-Lincoln
11:55 am – 12:10 pm	<i>Physics of Springs: Systems with Error</i> Heather Williamson, Rice University	<i>Invariant and Idempotent Measures on Two Element Semi-Groups</i> Tiffany Bradford, Saint Francis University	<i>Recent Developments in Numerical Semigroups and Perfect Bricks of Higher Dimension</i> Kathryn Bryant, Northern Arizona University
12:15 pm – 12:30 pm	<i>Stochastic Modeling and Analysis of Unemployment</i> Hayley Belli, University of Oregon	<i>Catalan Numbers and Random Trees</i> April Scudere, Westminster College	<i>The Algebraic Structure of Toric Codes</i> Ellen Le, Pomona College
12:40 pm – 2:00 pm	Lunch Please see restaurant list in your registration materials. If you'd like to go with a group, meet in the hotel Lobby by 12:50 pm.	Downtown Lincoln	
	Faculty Program	University Room Main Level, Holiday Inn	
2:00 pm – 2:50 pm	Poster Session	Assembly Room Main Level, Holiday Inn	
3:00 pm – 3:55 pm	2nd Plenary Talk: <i>From Ramsey Theory to Dynamical Systems and Back</i> Bryna Kra, Northwestern University	Lincoln Ballroom Main Level, Holiday Inn	
4:00 pm – 4:15 pm	Snack Break	Lower Level, Holiday Inn	

Time	Event	Location
	Session 3 – Presentations by Undergraduate Students	
4:15 pm – 4:30 pm	Arbor Room Main Level, Holiday Inn	Missouri & Niobrara Room Lower Level, Holiday Inn
4:35 pm – 4:50 pm	Platte Room Lower Level, Holiday Inn	
	<i>The Erdos Box Problem</i> Chengcheng Yang, Rice University	<i>Analyzing a Deficient Height Sample of Pennsylvanian National Guardsmen</i> Kaitlyn McConville, Westminster College
	<i>Linear Complexity of Partially Ordered Sets</i> Jennifer Iglesias, Harvey Mudd College	
	<i>Sudoku, Shidoku, and...Groebner Bases? An Algebraic and Computer Systems Approach to Counting Boards</i> Katharina Carella, Ithaca College	<i>Using Percentage Change as the Universe of Discourse in Fuzzy Time Series Analysis</i> Meredith Stevenson, Murray State University
	<i>Investigating the Properties of Pruned, Planar, Binary Fractal Trees</i> Rita Gnizak, Fort Hays State University	
5:00 pm – 5:50 pm	Breakout Session 1	
	Lower Level	
	<i>Being A Woman Mathematician from an Underrepresented Group</i>	Executive Board Room
	<i>Preparing For (Applying To) Graduate School I</i>	Missouri & Niobrara Room
	<i>Choosing A Graduate School</i>	Platte Room
	Main Level	
	<i>Fun In Math</i>	Arbor Room
	<i>What Is Research? I</i>	University Room
	Second Floor	
	<i>Careers With A Masters Degree</i>	Suite 209
	<i>Juggling Career And Life I</i>	Suite 211
6:00 pm – 6:40 pm	Breakout Session 2	
	Lower Level	
	<i>Graduate School in Math Education</i>	Executive Board Room
	<i>Preparing for (Applying to) Graduate School II</i>	Missouri & Niobrara Room
	<i>Jumping from a Small College to Graduate School</i>	Platte Room
	Main Level	
	<i>Careers with a Bachelor Degree</i>	Arbor Room
	<i>What is Research? II</i>	University Room
	Second Floor	
	<i>Careers and Graduate School in Statistics</i>	Suite 209
	<i>Juggling Career and Life II</i>	Suite 211
7:00 pm	Pizza Dinner <i>Table assignments for conference guests are featured in your bio packet. Review these assignments to maximize your networking opportunities.</i>	Lincoln Ballroom Main Level, Holiday Inn

Sunday, January 31, 2010

Time	Event	Location		
7:30 am – 8:15 am	Breakfast <i>Additional space will be available in the University Room.</i>	Lincoln Ballroom Main Level, Holiday Inn		
Session 4 – Presentations by Undergraduate Students				
	Arbor Room Main Level, Holiday Inn	Missouri & Niobrara Room Lower Level, Holiday Inn	Platte Room Lower Level, Holiday Inn	
8:15 am – 8:30 am	<i>The Linear Chromatic Number of a Graph</i> Anna Tracy, University of the South	<i>Numerical Modeling and Analysis of Fluid Structure Interaction in Biological Systems</i> Avis Foster, George Mason University	<i>How Does Inquiry-Based Statistics Curriculum Measure Up?</i> Brooke Quisenberry, Hope College	
8:35 am – 8:50 am	<i>Puzzles on Graphs: The Towers of Hanoi, The Spin-Out Puzzle, and The Combination Puzzle</i> Lindsay Baun, College of St. Benedict/St. John's University	<i>Metabolism, Microvilli, and the Manduca sexta Midgut: A Mathematical Model</i> Jennifer Garbett, Kenyon College	<i>Computer Simulation Study of Confidence Intervals for Intraclass Correlation Coefficients</i> Shauna Leonard, Arkansas State University	
8:55 am – 9:10 am	<i>Energy of Graphs</i> Laura Buggy, College of St. Benedict	<i>Continuous Threshold-Policy Harvesting in Predator-Prey Models</i> Kaitlin Speer, Baylor University	<i>Application of Functional Data Analysis in the Study of Aerosol light Absorption and Scattering</i> Jie Zeng, Michigan Technological University	
9:10 am – 9:20 am	Snack Break	Lower Level, Holiday Inn		
Session 5 – Presentations by Undergraduate Students				
	Arbor Room Main Level, Holiday Inn	Missouri & Niobrara Room Lower Level, Holiday Inn	Platte Room Lower Level, Holiday Inn	
9:20 am – 9:35 am	<i>Positive Hankel Matrices are Sums of Squares</i> Kailee Gray, University of South Dakota	<i>Selectivity Rado Numbers for the Equality $cx_1 + x_2 = x_3$</i> Kelsey Uherka, Morningside College	<i>Taking Curvature to the EXTREME!</i> Lindsay Willett, Grove City College	
9:40 am – 9:55 am	<i>Retrieving Economic Parameters In Asset-Flow Equations</i> Marlene Ouayoro, George Mason University	<i>Sona Drawings</i> Danielle Wheeler, Coe College	<i>Finding the Metric Center</i> Hannah Ross, Kenyon College	
10:00 am – 10:15 am	<i>Stability of the Soliton Solution of the Two-Dimensional Nonlinear Schroedinger Equation</i> Natalie Sheils, Seattle University	<i>Shapes and Symmetry</i> Kelsey Querton, Bradley University and Rebecca Scofield, University of Iowa	<i>Dominant Eigenvalues and the Structure of Matrix Spaces</i> Tova Lindberg, Bethany Lutheran College	

Time	Event	Location
10:20 am – 11:10 am	<p>Panel Discussion: <i>Summer Research Opportunities</i></p> <p>Moderator: Sue Geller, Texas A&M University</p> <p>Panelists: Stacey Beggs, Institute for Pure and Applied Mathematics (IPAM) Dean Evasius, National Science Foundation Katie Johnson, University of Nebraska-Lincoln Anisah Nu'Man, University of Nebraska-Lincoln Mary Lynn Reed, National Security Agency</p>	Lincoln Ballroom Main Level, Holiday Inn
11:10 am – 11:20 am	<p>Closing Remarks Allan Donsig, University of Nebraska-Lincoln Judy Walker, University of Nebraska - Lincoln</p>	Lincoln Ballroom Main Level, Holiday Inn