

Room	GCB 110	GCB 111	GCB 201	GCB 211	GCB 212	GCB 213
<i>Session Name</i> Moderators	<i>History of Mathematics</i> Janet Barnett, CSU-P George Heine, Math & Maps	<i>Interesting Ideas in Math</i> Lisa Driskell, Mesa Dan Swenson, BHSU	<i>IBL Methods and More</i> Mona Mocanasu, MSU-Denver Patty McKenna, MSU-Denver	<i>Undergraduate Presentations</i> Beth Schaubroeck, USAFA	<i>First Two Year Courses</i> Tracey Blanco, CSU-P Tammy Watkins, CSU-P	<i>Undergraduate Presentations</i> Laura Scull, Fort Lewis
2:15 – 2:35	<i>A Light Look at the RMS-MAA*</i> Don Teets, SDSMT	<i>Five proofs of a simple combinatorial result*</i> Dan Swenson, BHSU				<i>A Fractal Machine</i> Autumn Hanberry & Gloria Sharlein, Fort Lewis
2:40 – 3:00	<i>Vignettes from the History of the Rocky Mountain Section - Chapter II*</i> Jeff Berg, ACC George Heine, Math & Maps	<i>Contra Dance and the Product of All Elements in a Dihedral Group*</i> Dan May, BHSU	<i>Some Explorations with the Logarithm in Complex Analysis*</i> Jane McDougall, CC	<i>The Line Solitons of the KP Equation*</i> Tristan Neighbors, UCCS	<i>Estimating pi as an introduction to limits in Calculus I*</i> Eric Miles, Mesa	<i>Fractals from Stochastic Methods*</i> Gerardo Xahuentila & Kassandra Chappell, Fort Lewis
3:05 – 3:25		<i>Theoretically Using Applications in a Pure Mathematics Course*</i> Jeremy Muskat, Western	<i>Connections Across Disciplines: The Why and How of Team Teaching an Interdisciplinary Course</i> Lisa Driskell, Mesa	<i>What's the Secret? Mysteries Revealed in the Fibonacci and Lucas Numbers*</i> Kayce Serafin, Northwestern CC	<i>Math Pathways - Meeting the Needs of the Novice Math Learner*</i> Curtis Turner, UCCS	<i>Hausdorff Dimension of MCRM Fractals*</i> Maxwell Dielman & Jackson Shrupp, Fort Lewis
3:25 – 3:45	COFFEE BREAK		COFFEE BREAK		COFFEE BREAK	
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3:45 – 4:05	<i>History of CSU Math Day</i> Darel Hardy, CSU-FC	<i>How Many Push-ups Did They Do?*</i> Mike Brilleslyper, USAFA	<i>Native-American based Mathematics Materials for Undergraduate Courses*</i> A Duane Porter, UW	<i>Control Methods for Halo Orbits*</i> Yassin Bahid, CSU - P	<i>Understanding Learning in Calculus I Through Online Behaviors</i> Ben Sencindiver, CSU - FC	<i>Generated Sequences*</i> Nicolas Guerrero, USAFA
4:10 – 4:30	<i>Learning Mathematics through Historical Projects</i> Qin Yang, MSU Denver	<i>A Simple Introduction to Information, Channel Capacity and Entropy*</i> Ulrich Hoensch, Rocky Mountain College	<i>Seeing the world through a mathematical lens - one class at a time*</i> Jessica Hearn, Northwestern CC	<i>Numerical Simulation of Missile Trajectories Using Orthogonal Polynomials*</i> Lauren Bramblett, Juan Orozco & Cinthya Elizondo, USAFA	<i>First Year GTAs: Fostering Successful Teaching*</i> Gabriela Hernandez, CSU - FC	<i>Graph Labels and Computability Theory*</i> Taylor McMillan, UNC

Join us for the 100th Anniversary Reception Friday Evening!
Pueblo Community College, Student Center, Fortino Ballroom, 6:30 – 7:15
(Banquet to follow in same location for those with ticket; check at registration desk for availability)

Room	GCB 110	GCB 111	GCB 201	GCB 211	GCB 212	GCB 213	GCB 301
<i>Session Name</i> Moderators	<i>History of Mathematics</i> Janet Barnett, CSU-P George Heine, Math & Maps	<i>Interesting Ideas in Math</i> Lisa Driskill, Mesa Dan Swensoe, BHSU	<i>First Two Year Courses</i> Tracey Blanco, CSU-P Tammy Watkins, CSU-P	<i>Mathematics in K-12 Teacher Preparation</i> Gulden Karakok, UNC	<i>Mathematics Education</i> Spencer Bagley, UNC Hortensia Soto-Johnson, UNC	<i>Undergraduate Presentations</i> Beth Schaubroeck, USAFA	<i>General: Mathematics</i> Michael Payne, PCC Frank Zizza, CSU-P
10:00 – 10:45	100th RMS Anniversary Panel Discussion		Teaching Statistical Thinking Panel Discussion	K-8 Math Specialist Panel Discussion		SECOND ANNUAL STUDENT MATH JEOPARDY COMPETITION	
10:50 – 11:10	<i>Greta Neubauer and the MAA Rocky Mountain Section</i> Lynne Ipina, UW	<i>A paradox of finite cardinality</i> Oscar Levin, UNC	<i>SD Mines Math Initiative: MathSpark</i> Michelle Richard-Greer, SDSMT	Meet the Panelists! Q & A Session	<i>Undergraduates' Reasoning about Integration of Complex Functions within Three Worlds of Mathematics</i> Brent Hancock, UNC		<i>Mathematics and Peak Bagging*</i> Erik Packard, Mesa
11:15 – 11:35	<i>Mean Value Theorem: History and a Primary Source Project for a Real Analysis Course</i> Dave Ruch, MSU Denver	<i>Robust PCA and the Analysis of Surveillance Video*</i> Andy Keck, Western	<i>SD Mines Math Initiative: Building proficiency and grit through gateways</i> Travis Kowalski, SDSMT	<i>Elementary Education-Mathematics Program at UNC</i> Gulden Karakok & Steven Leth, UNC	<i>Study on Education in Mathematics regarding Integration</i> Michael Triner, USAFA		<i>Polynomial Interpolation*</i> Jim Seibert, Regis
11:35–12:00	CAKE BREAK AND ANNIVERSARY CHAMPAGNE TOAST				CAKE BREAK AND ANNIVERSARY CHAMPAGNE TOAST		
12:05 – 12:25	<i>The Nine Point Circle*</i> John Carter, MSU Denver	<i>Why i? PreCalc Paths to $CIS(t) = Exp(it)$ *</i> Bruce Lundberg, CSU - P	<i>SD Mines Math Initiative: Enhancing Student Success through the use of Recitations</i> Kyle Riley, SDSMT	<i>Building Teachers' Mathematical Intuition*</i> Richard Kitchen, DU	<i>Didn't you learn that in high school? Why students struggle with rate & function, & how a covariation approach can help*</i> Heather Johnson, UCD	<i>Ways to Lose at Sylver Coinage*</i> Rachel Eaton, USAFA	<i>An Optimal Parking Problem*</i> Shahar Boneh, MSU Denver
12:30 – 12:50	<i>Monsters in the Classroom: Learning analysis through works of Darboux*</i> Janet Barnett, CSU-P	<i>Roots of Quadratic Polynomials and Greek Ladders*</i> Ian Pierce, USAFA	<i>Supplemental Academic Instruction as Impetus to Rethink College Algebra</i> Frieda Parker & Angela Steele, UNC	<i>Using Transcription as a Reflective Tool With Preservice Elementary Teachers</i> Jenni Harding, UNC	<i>Analyzing Faculty/Course Questionnaire (FCQ) Scores Using Advanced Data Analytics</i> Aaron Nielsen, UCD	<i>Fractions, Ratios, and Simpson's Paradox*</i> Christopher Botica, USAFA	<i>Lipschitz spaces and generalized Lipschitz spaces and their importance in analysis*</i> Geraldo de Souza, USAFA
12:55 – 1:15	<i>Go Ask Alice: The Math of Lewis Carroll*</i> Pam Peters, Larimer County CC	<i>Cards & Poker: Teaching Math Since 985 A.D.</i> Robert Baker, PCC	<i>Stretch College Algebra: a two semester approach to addressing high DFW rates</i> John Ethier, MSU Denver	<i>Adapting instruction to students' mathematical thinking: 5 practices of student adaptive pedagogy</i> Heather Johnson & Ron Tzur, UCD	<i>Lessons Learned from ICME-13: International Perspectives on Equity in Mathematics Classrooms</i> Susan Holloway, Aurora Public Schools	<i>Statistical and Computational Methods for Assessing Recombination Rates*</i> Tim DeLory, Western	<i>Induced Characters of Equal Degree Constituents</i> Corey Lyons, CSU-P
1:20 – 1:40			<i>College Algebra: Success through the Pipeline Pilot Program</i> Tammy Watkins & Tracey Blanco, CSU-P	<i>Teacher Assistantships: Bridging the Gap Between Theory & Practice*</i> Curtis Turner, UCCS	<i>The mathematical work (not knowledge!) of teaching*</i> Spencer Bagley, UNC	<i>A Method for Categorizing Data in Very Large Data Sets*</i> Madison Tung, USAFA	