

MAA Student Talks (page 1)

MAA #1		Taos Room	Thursday August 4
1:00–1:15	Ross Kravitz	Williams College	<i>Diophantine Approximations</i>
1:17–1:32	Asela Acosta	Texas A&M University	<i>An Epidemic Model of HSV-1</i>
1:34–1:49	Haiyun Zhao	Stevens Institute	<i>The Dynamics of Poverty and Crime</i>
1:51–2:06	Genevieve Toutain	Simon's Rock College	<i>Immigration as a Dynamic Model</i>
2:08–2:23	Lorena Morales-Paredes	Univ. Alabama, Huntsville	<i>Epidemiology of Influenza Virus</i>
2:25–2:40	Alan Covert	Arizona State University	<i>A Multi-City Epidemic Model</i>
2:42–2:57	Carlos Chiquete	University of Arizona	<i>Disease Spread & Population Density</i>
MAA #2		Cochiti Room	Thursday August 4
1:00–1:15	Ashley Askew	Clayton State University	<i>Second Order Equations on Time Scales</i>
1:17–1:32	Amber De More	Austin Peay State University	<i>A Probabilistic Approach to Derivatives</i>
1:34–1:49	John Gemmer	Millersville University	<i>The General Brachistochrone Problem</i>
1:51–2:06	Ben Gibson	Wake Forest University	<i>Fourth-Order Difference Equations</i>
2:08–2:23	Andrew Harrell	Texas A&M University	<i>Moore-Penrose Interpolation Methods</i>
2:25–2:40	Nicholas Stucky-Mack	Harvard College	<i>Parameter Identification Problems</i>
2:42–2:57	Sean Sullivan	University of Texas, Austin	<i>Parameter Identification Problems</i>
MAA #3		Taos Room	Thursday August 4
3:00–3:15	Beverly Lytle	Allegheny College	<i>Wavelets and Art</i>
3:20–3:35	Mary Servatius	Worcester Poly. Institute	<i>Tartini: Mathematics and Acoustics</i>
3:40–3:55	Tim Major	Grand Valley State University	<i>Bioinformatics Algorithms & MATLAB</i>
4:00–4:15	Azra Panjwani	Univ. of California, Berkeley	<i>The Spread of Minor Political Parties</i>
4:20–4:35	Ludguier Montejó	Whitman College	<i>Lifestyle Choices and Arterial Stenosis</i>
4:40–4:55	Vladimir Ufimtsev	Univ. of Nebraska, Omaha	<i>Generation of DNA Codes</i>
5:00–5:15	Ammon Paquette	Augustana College	<i>Godel's Incompleteness Theorems</i>
5:20–5:35	Alexander Zupan	Gustavus Adolphus College	<i>Patterns in Hausdorff Metric Geometry</i>
MAA #4		Cochiti Room	Thursday August 4
3:00–3:15	Neil Mendoza	Williams College	<i>Class Groups of Global Fields</i>
3:20–3:35	Nathan Kaplan	Princeton University	<i>Cubic Global Fields</i>
3:40–3:55	Todd Shayler	Williams College	<i>Divisibility of Global Fields I</i>
4:00–4:15	Carl Erickson	Stanford University	<i>Divisibility of Global Fields II</i>
4:20–4:35	Sean Lee	Pepperdine University	<i>Posets and k-ribbon Tableaux</i>
4:40–4:55	Lisa Bishop	Occidental College	<i>Differential Posets and k-ribbons</i>
5:00–5:15	Samuel Otten	Grand Valley State University	<i>Dual Billiards in the Hyperbolic Plane</i>
MAA #5		Taos Room	Friday August 5
1:00–1:15	Nicole Casacchia	Youngstown State University	<i>Downed Trees in a Riparian Valley</i>
1:17–1:32	Nicole O'Connell	St. Norbert College	<i>The Rinsing Problem</i>
1:34–1:49	Elizabeth Eisemann	Augustana College	<i>A Quadratic Congruence Equation</i>
2:08–2:23	Siva Sankrithi	University of Washington	<i>Octonions: Construction, Multiplication</i>
2:25–2:40	Nicholas Toombs	Montclair State University	<i>A Model for Alzheimer's Disease</i>
2:42–2:57	Daniel Walton	Harvey Mudd College	<i>Diophantine Approximations of Curves</i>

MAA Student Talks (page 2)

MAA #6		Cochiti Room	Friday August 5
1:00–1:15	Kari Barkley	Lafayette College	<i>One-relator Knot Groups</i>
1:20–1:35	Thomas Kindred	Williams College	<i>Surfaces Bounded by Alternating Knots</i>
1:40–1:55	Debbie Witczak	Benedictine University	<i>The Connected Sum of n Trefoil Knots</i>
2:00–2:15	Anh Chu	University of Richmond	<i>Medial and Boundary Geometry I</i>
2:20–2:35	Marion Kruse	University of Richmond	<i>Medial and Boundary Geometry II</i>
2:40–2:55	Ryan Grady	Colorado School of Mines	<i>Conservation Laws & Hodge Decomposition</i>
MAA #7		Taos Room	Friday August 5
3:00–3:15	John Chatlos	Williams College	<i>Review of Commutative Rings</i>
3:17–3:32	Sherry Wu	Cornell University	<i>Formal Fibers of Integral Domains</i>
3:34–3:49	Nathaniel Watson	Washington University	<i>Formal Fibers and Power Series Rings</i>
3:51–4:06	Brian Simanek	Williams College	<i>Semi-local Generic Formal Fibers</i>
4:08–4:23	James Godzik	Univ. of California, Berkeley	<i>Colorability of Paradiromic Rings</i>
4:25–4:40	Nicholas Johnson	Augustana College	<i>The Dodecahedron and A5</i>
4:42–4:57	Samuel Kolins	Bowdoin College	<i>Spans of the Derivatives of Polynomials</i>
MAA #8		Cochiti Room	Friday August 5
3:00–3:15	Nicholas Croll	Sam Houston State University	<i>Generalizing Identities for Sine and Cosine</i>
3:17–3:32	Go Fujita	University of Florida	<i>Robots on Trees</i>
3:34–3:49	Sarah Goodpaster	Augustana College	<i>Controlling the Dimension of a Fractal</i>
3:51–4:06	Joesph Kolenick	Youngstown State University	<i>Mathematical Monthly Problem 11103</i>
4:08–4:23	Melissa Mauck	Sam Houston State University	<i>The Spiral of Roots</i>
4:25–4:40	Nnamdi Oparanozie	Sam Houston State University	<i>Koch and the Koch Snowflake</i>
4:42–4:57	Craig Nicholas	New Mexico Tech	<i>Fractional Iterates of Maps</i>
MAA #9		Picuris Room	Friday August 5
3:00–3:15	Kimberly Conner	Mercer University	<i>Student Retention of Calculus Techniques</i>
3:20–3:35	Sarah Fritsch	Sam Houston State University	<i>The Life and Work of Georg Cantor</i>
3:40–3:55	Jenny Buontempo	St. Peter's College	<i>Tableaux Cycling and Catalan Numbers</i>
4:00–4:15	Benjamin Mitchell	Taos High School	<i>Hyper-logarithmic & -exponential Functions</i>
4:20–4:35	Chris Smith	Grand Valley State University	<i>The Wilf-Zeilberger (WZ) Algorithm</i>
4:40–4:55	Mauricio Rivas	Sam Houston State University	<i>Extending Means to n Variables</i>
MAA #10		Santa Ana Room	Friday August 5
3:00–3:15	Jessica Bauman	Tufts University	<i>Outer Space and Metric Graphs</i>
3:20–3:35	Nicholas Yates	Williams College	<i>Irrational Numbers and Equivalence</i>
3:40–3:55	Timothy Trujillo	New Mexico Institute	<i>J. C. Sprott's Simple Chaotic Flows</i>
4:00–4:15	Justin From	Central College	<i>A Problem Related to Sendov's Conjecture</i>
4:20–4:35	Jesse Gell-Redman	Columbia University	<i>Equivalent Irrational Numbers</i>
4:40–4:55	Lindsey Webster	Western Oregon University	<i>Pictionary and Markov Chains</i>