

AMS-MAA Joint Invited Addresses at January Joint Mathematics Meetings

Name	Affiliation	Title	Type of Address	Year	Meeting
Garibaldi, Skip	IDA CCR La Jolla	<i>Uncovering Lottery Shenanigans</i>	(AMS-MAA)	2020	JMM/January
Lange, Karen M.	Wellesley College	<i>Different problems, Common Threads: Computing the Difficulty of Mathematical Problems</i>	(AMS-MAA)	2020	JMM/January
Koch, Sarah	University of Michigan	<i>What is the shape of a rational map?</i>	(AMS-MAA)	2019	JMM/January
Spielman, Daniel A.	Yale University	<i>Miracles of Algebraic Graph Theory</i>	(AMS-MAA)	2019	JMM/January
Carlsson, Gunnar	Stanford University	<i>Topological Modeling of Complex Data</i>	(AMS-MAA)	2018	JMM/January
Neves, André	University of Chicago	<i>Wow, so many minimal surfaces!</i>	(AMS-MAA)	2018	JMM/January
Richards, Donald	Pennsylvania State University	<i>Distance Correlation: A New Tool for Detecting Association and Measuring Correlation Between Data Sets</i>	(AMS-MAA)	2017	JMM/January
Silverberg, Alice	University of California, Irvine	<i>Through the Cryptographer's Looking-Glass, and what Alice found there</i>	(AMS-MAA)	2017	JMM/January
Lauter, Kristin	Microsoft Research	<i>How to Keep your Genome Secret.</i>	(AMS-MAA)	2016	JMM/January
Meng, Xiao-Li	Harvard University	<i>Statistical paradises and paradoxes in big data</i>	(AMS-MAA)	2016	JMM/January
Ellenberg, Jordan S.	University of Wisconsin-Madison	<i>Combinatorial designs, finite geometries, and beating the lottery</i>	(AMS-MAA)	2015	JMM/January
Tapia, Richard A.	Rice University	<i>The Remarkable Journey of the Isoperimetric Problem: From Euler to Steiner to Weierstrass</i>	(AMS-MAA)	2015	JMM/January
Farb, Benson	University of Chicago	<i>Braids, homology and polynomials : an emerging pattern in algebra and topology</i>	(AMS-MAA)	2014	JMM/January

Pomerance, Carl	Dartmouth College	<i>Paul Erdős and the rise of statistical thinking in elementary number theory</i>	(AMS-MAA)	2014	JMM/January
Pemantle, Robin	David Rittenhouse Laboratories	<i>Zeros of polynomials and their importance in combinatorics and probability</i>	(AMS-MAA)	2013	JMM/January
Shuckburgh, Emily F.	British Antarctic Survey	<i>Using mathematics to better understand the Earth's climate</i>	(AMS-MAA)	2013	JMM/January
Knutson, Allen	Cornell University	<i>A stratification of the space of all k-planes in \mathbb{C}^n</i>	(AMS-MAA)	2012	JMM/January
Oh, Hee	Brown University	<i>Apollonian packings, fractal geometry, and dynamics on hyperbolic manifolds</i>	(AMS-MAA)	2012	JMM/January
Soundararajan, Kannan	Stanford University	<i>The Riemann zeta-function and related L-functions: A progress report</i>	(AMS-MAA)	2011	JMM/January
Terng, Chuu-Lian	University of California, Irvine	<i>Curves, surfaces, and solitons</i>	(AMS-MAA)	2011	JMM/January
Harris, Joseph	Harvard University	<i>The interpolation problem</i>	(AMS-MAA)	2010	JMM/January
White, Brian	Stanford University	<i>Evolving curves and surfaces</i>	(AMS-MAA)	2010	JMM/January
Arnold, Douglas N.	University of Minnesota, Minneapolis	<i>Stability, Consistency, and Convergence: Modern Variations on a Classical Theme</i>	(AMS-MAA)	2009	JMM/January
Mirzakhani, Maryam	Princeton University	<i>Geometry of surfaces, laminations, and dynamics over the moduli space of Riemann surfaces</i>	(AMS-MAA)	2009	JMM/January
Chung, Fan	University of California San Diego	<i>The mathematics of PageRank</i>	(AMS-MAA)	2008	JMM/January
Tao, Terence	University of California Los Angeles	<i>Structure and randomness in the prime numbers</i>	(AMS-MAA)	2008	JMM/January
Diaconis, Persi W.	Stanford University	<i>Statistics for smart people who don't know anything about statistics</i>	(AMS-MAA)	2007	JMM/January

Kra, Bryna	Northwestern University	<i>Dynamics of integer sets</i>	(AMS-MAA)	2007	JMM/January
Jitomirskaya, Svetlana Y.	University of California Irvine	<i>Spectral properties of quasiperiodic operators: The competition between order and chaos</i>	(AMS-MAA)	2006	JMM/January
Lovász, László	Microsoft	<i>Graph limits and graph homomorphisms</i>	(AMS-MAA)	2006	JMM/January
Bertozzi, Andrea L.	University of California Los Angeles	<i>Processing images with nonlinear PDEs</i>	(AMS-MAA)	2005	JMM/January
Sturmfels, Bernd	University of California Berkeley	<i>Algebraic statistics</i>	(AMS-MAA)	2005	JMM/January
Berger, Bonnie	Massachusetts Institute of Technology	<i>Mathematical challenges in molecular biology</i>	(AMS-MAA)	2004	JMM/January
Wolfram, Stephen	Wolfram Research	<i>A New Kind of Science and the Future of Mathematics</i>	(AMS-MAA)	2004	JMM/January
Elkies, Noam D.	Harvard University	<i>Some novel uses of lattice reduction</i>	(AMS-MAA)	2003	JMM/January
Scheinerman, Edward R.	Johns Hopkins University	<i>Discrete mathematics and mechanical engineering</i>	(AMS-MAA)	2003	JMM/January
DeTurck, Dennis	University of Pennsylvania	<i>Helicity of vector fields in geometry, biology, and plasma physics</i>	(AMS-MAA)	2002	JMM/January
Lenstra, Jr., Hendrik	University of California Berkeley	<i>Harmonic numbers and the ABC-conjecture</i>	(AMS-MAA)	2002	JMM/January
Mazur, Barry	Harvard University	<i>Deformations, perturbations and near-misses in geometry, physics, and number theory</i>	(AMS-MAA)	2001	JMM/January
Weeks, Jeffrey R.	Canton, NY	<i>Measuring the universe</i>	(AMS-MAA)	2001	JMM/January
Greene, Brian	Columbia University	<i>Spacetime in string theory</i>	(AMS-MAA)	2000	JMM/January
Papanicolaou, George C.	Stanford University	<i>Stochastic differential equations in financial mathematics: From Black-Scholes to the present</i>	(AMS-MAA)	2000	JMM/January
Rubin, Karl	Stanford University	<i>Ranks of elliptic curves</i>	(AMS-MAA-SIAM)	2000	JMM/January

Chayes, Jennifer Tour	Microsoft Research	<i>Phase Transitions in Probability Theory and Computer Science</i>	(AMS-MAA)	1999	JMM/January
Feigenbaum, Joan	AT&T Labs	<i>Massive graphs: Algorithms, applications, and open problems</i>	(AMS-MAA)	1999	JMM/January
Alperin, Jonathan	University of Chicago	<i>Problems in the representation theory of finite groups</i>	(AMS-MAA)	1998	JMM/January
Brezis, Haim	Université de Paris and Rutgers University	<i>How to handle infinite energies.</i>	(AMS-MAA)	1998	JMM/January
Feferman, Solomon	Stanford University	<i>Does mathematics need new axioms?</i>	(AMS-MAA)	1997	JMM/January
Freedman, Michael	University of California, San Diego	<i>The notion of limit in topology, geometry, and algorithmic complexity</i>	(AMS-MAA)	1997	JMM/January
Granville, Andrew J.	University of Georgia	<i>It's as easy as $\{rm abc\}$</i>	(AMS-MAA)	1996	JMM/January
Wiegand, Roger A.	University of Nebraska, Lincoln	<i>A century of syzygies</i>	(AMS-MAA)	1996	JMM/January
Cox, David A.	Amherst College	<i>The algebra of solving polynomial equations</i>	(AMS-MAA)	1995	JMM/January
Schattschneider, Doris J.	Moravian College	<i>Ingenious mathematical amateurs: M. C. Escher (artist) and Marjorie Rice (homemaker)</i>	(AMS-MAA)	1995	JMM/January
Benkart, Georgia	University of Wisconsin, Madison	<i>A tale of two groups</i>	(AMS-MAA)	1994	JMM/January
Chandrasekar, Subrahmanyam	University of Chicago	<i>Some propositions from Newton's Principia</i>	(AMS-MAA)	1994	JMM/January
Lovász, László	Eötvös Loránd University	<i>Random walks and volume</i>	(AMS-MAA)	1994	JMM/January
Ribet, Kenneth	University of California, Berkeley	<i>Overview and update on Fermat's Last Theorem</i>	(AMS-MAA)	1994	JMM/January
Andrews, George E.	Pennsylvania State University	<i>Ramanujan, the lost notebook, and I</i>	(AMS-MAA)	1993	JMM/January
Brualdi, Richard	University of Wisconsin, Madison	<i>Sign-solvable linear systems and their matrices</i>	(AMS-MAA)	1993	JMM/January

Osserman, Robert	MSRI and Stanford University	<i>Geometry of the universe</i>	(AMS-MAA)	1993	JMM/January
Wheeler, Mary F.	Rice University	<i>Parallel algorithms for modeling flow in porous media problems</i>	(AMS-MAA)	1993	JMM/January
Birman, Joan S.	Columbia University	<i>A new look at knot polynomials</i>	(AMS-MAA)	1992	JMM/January
Singer, I. M.	Massachusetts Institute of Technology	<i>The current interface of geometry and elementary particle physics</i>	(AMS-MAA)	1992	JMM/January
Wilkins, Jr., J. Ernest	Clark Atlanta University	<i>Optimization for extended services for heat transfer</i>	(AMS-MAA)	1992	JMM/January
Chern, Shiing S.	MSRI and University of California, Berkeley	<i>Characteristic forms</i>	(AMS-MAA)	1991	JMM/January
Herb, Rebecca A.	University of Maryland, College Park	<i>Harish-Chandra and his work</i>	(AMS-MAA)	1991	JMM/January
Morgan, Frank	Williams College and Institute for Advanced Study	<i>Compound soap bubbles, shortest networks, and minimal surfaces</i>	(AMS-MAA)	1991	JMM/January
Barwise, Jon	Stanford University	<i>Non-wellfounded sets and their applications</i>	(AMS-MAA)	1990	JMM/January
Curtis, Charles W.	University of Oregon	<i>A century of representation theory of finite groups</i>	(AMS-MAA)	1990	JMM/January
Simon, Barry	California Institute of Technology	<i>Fifty years of eigenvalue perturbation theory</i>	(AMS-MAA)	1990	JMM/January
Wallach, Nolan R.	Rutgers University	<i>Title unknown</i>	(AMS-MAA)	1990	JMM/January
Boas, Ralph P.	Northwestern University	<i>Indeterminate forms revisited</i>	(AMS-MAA)	1989	JMM/January
Graham, Ronald L.	AT&T Bell Laboratories	<i>Arithmetic progressions: From Hilbert to Shelah</i>	(AMS-MAA)	1989	JMM/January
Morawetz, Cathleen S.	Courant Institute of Mathematical Sciences, New York University	<i>Transonic flow and mixed equations.</i>	(AMS-MAA)	1989	JMM/January

Smale, Stephen	University of California, Berkeley	<i>Story of the higher dimensional Poincaré conjecture (What actually happened on the beaches of Rio de Janeiro)</i>	(AMS-MAA)	1989	JMM/January
Bers, Lipman	Columbia University	<i>The European mathematicians' migration to America</i>	(AMS-MAA)	1988	JMM/January
Dauben, Joseph W.	Herbert H. Lehman College, CUNY and the Graduate Center, CUNY	<i>Georg Cantor: The battle for transfinite set theory</i>	(AMS-MAA)	1988	JMM/January
Kemeny, John G.	Dartmouth College	<i>How computers have changed the way I teach</i>	(AMS-MAA)	1988	JMM/January
Mumford, David	Harvard University	<i>Oscar Zariski and his work.</i>	(AMS-MAA)	1988	JMM/January
Lorenz, Edward N.	Massachusetts Institute of Technology	<i>Strange attractors: Are they still strange?</i>	(AMS-MAA)	1987	JMM/January
Merzbach, Uta C.	National Museum of American History	<i>Algebraic traditions on two continents.</i>	(AMS-MAA)	1987	JMM/January
Montgomery, Hugh L.	University of Michigan, Ann Arbor	<i>The role of analytic number theory in the development of analysis</i>	(AMS-MAA)	1987	JMM/January
Guillemin, Victor W.	Massachusetts Institute of Technology	<i>Zoll surfaces</i>	(AMS-MAA)	1986	JMM/January
Halmos, Paul R.	University of Santa Clara	<i>Matrices I have met</i>	(AMS-MAA)	1986	JMM/January
Hawkins, Thomas	Boston University	<i>Episodes in the origins of the representation theory of Lie algebras</i>	(AMS-MAA)	1986	JMM/January