Biennial Overview of AMS Honors

Every two years, the *Notices*, as the Society's journal of record, publishes an overview of AMS honors. In this section, we list the special lectures, prizes, awards, and fellowships; give brief descriptions of each; and provide links for further information, including past recipients and lecturers.

The Society governance consists of the Officers (President, three Vice Presidents, Secretary, four Associate Secretaries, Treasurer, and Associate Treasurer), the Council, Executive Committee of the Council, and Board of Trustees. You may find information about Society governance at www.ams.org/governance, which includes links to books that chronicle the history of the AMS: *A Semicentennial History of the American Mathematical Society, 1888–1938*, by Raymond Clare Archibald, and *History of the Second Fifty Years, American Mathematical Society, 1939–1988*, by Everett Pitcher. We begin with a list of past presidents, treasurers, and secretaries.

Carla D. Savage, AMS Secretary

Presidents

2019–2020	Jill C. Pipher	1949–1950	Joseph Leonard Walsh
2017–2018	Kenneth A. Ribet	1947–1948	Einar Hille
2015–2016	Robert L. Bryant	1945–1946	Theophil Henry Hildebrandt
2013–2014	David A. Vogan, Jr.		Marshall Harvey Stone
2011–2012	Eric M. Friedlander	1943–1944	Harold Calvin
2009–2010	George E. Andrews	1941–1942	Marston Morse
2007–2008	James G. Glimm		Griffith Conrad Evans
2005–2006	James G. Arthur	1939–1940	Robert Lee Moore
2003–2004	David Eisenbud	1937–1938	Solomon Lefschetz
2001–2002	Hyman Bass	1935–1936	Arthur Byron Coble
1999–2000	Felix E. Browder	1933–1934	Luther Pfahler Eisenhart
1997–1998	Arthur M. Jaffe	1931–1932	Earle Raymond Hendrick
1995–1996	Cathleen Synge Morawetz	1929–1930	Virgil Snyder
1993–1994	Ronald L. Graham	1927–1928	George David Birkhoff
1991–1992	Michael Artin	1925–1926	Oswald Veblen
1989–1990	William Browder	1923–1924	Gilbert Ames Bliss
1987–1988	George Daniel Mostow	1921–1922	Frank Morley
1985–1986	Irving Kaplansky	1919–1920	Leonard Eugene Dickson
1983–1984	Julia Bowman Robinson	1917–1918	Ernest William Brown
1981–1982	Andrew Mattel Gleason	1915–1916	Edward Burr Van Vleck
1979–1980	Peter David Lax	1913–1914	Henry Burchard Fine
1977–1978	R H Bing	1911–1912	Maxime Bôcher
1975–1976	Lipman Bers	1909–1910	Henry Seely White
1973–1974	Saunders Mac Lane	1907–1908	William Fogg Osgood
1971–1972	Nathan Jacobson	1905–1906	Thomas Scott Fiske
1969–1970	Oscar Zariski	1903–1904	Eliakim Hastings Moore
1967–1968	Charles Bradfield Morrey, Jr.	1901–1902	Robert Simpson Woodward
1965–1966	Abraham Adrian Albert	1899–1900	Simon Newcomb
1963–1964	Joseph Leo Doob		George William Hill
1961–1962	Deane Montgomery	1897–1898	John Emory McClintock
1959–1960	Edward James McShane	1895–1896	John Howard Van Amringe
1957–1958	Richard Dagobert Brauer	1891–1894	
1955–1956	Raymond Louis Wilder	1888–1890	
1953–1954	Gordon Thomas Whyburn		
1951–1952	John von Neumann		

Treasurers

2011–2021	Jane M. Hawkins
1999–2010	John M. Franks
1974–1998	Franklin P. Peterson
1965–1973	W. T. Martin
1949–1964	A. E. Meder, Jr.
1938–1948	B. P. Gill
1937	P. A. Smith
1930–1936	G. W. Mullins
1921–1929	W. B. Fite
1908–1920	J. H. Tanner
1900–1907	W. S. Dennett
1897–1899	Harold Jacoby
1895, 1896	R. S. Woodward
1892–1894	Harold Jacoby
1890, 1891	T. S. Fiske

Secretaries

2013–2021	Carla D. Savage
1999–2012	Robert J. Daverman
1989–1998	Robert M. Fossum
1967–1988	Everett Pitcher
1957–1966	J. W. Green
1951–1956	E. G. Begle
1941–1950	J. R. Kline
1921–1940	R. G. D. Richardson
1896–1920	F. N. Cole
1888–1895	T. S. Fiske

AMS Presidents: A Timeline

AMS presidents play a key role in leading the Society and representing the profession. Browse through the timeline to see each AMS president's page, which includes the institution and date of his/her doctoral degree, a brief note about his/her academic career and honors, and links to more extensive biographical information.

www.ams.org/presidents

In addition to the Invited Addresses at the Joint Mathematics Meetings and at the eight Sectional Meetings each year, the Society sponsors or co-sponsors several special lectures. In 2020, the first Maryam Mirzakhani Lecture will be presented at the Joint Mathematics Meetings.

AMS Special Lectures

Colloquium Lectures

www.ams.org/meet-colloquium-lect

The Colloquium Lectures have a long and prestigious history. Maxime Bôcher and James Pierpont delivered the first sets of lectures in 1896. They continue today as a highlight of the Joint Mathematics Meetings.

Josiah Willard Gibbs Lectures

www.ams.org/meet-gibbs-lect

These invited lectures are of popular nature, directed at those who are not professional mathematicians. The Society established the Gibbs Lectures in 1923.

NEW! The Maryam Mirzakhani Lectures

Courtesy of Stanford University

Maryam Mirzakhani

www.ams.org/meet-mirzakhani-lect

The AMS Council established this Lecture in 2018 to honor Maryam Mirzakhani (1977–2017), the first woman and the first Iranian to win a Fields Medal. The inaugural Mirzakhani Lecture will be delivered by Tatiana Toro at the 2020 Joint Mathematics Meetings in Denver, Colorado.

Erdős Memorial Lectures

www.ams.org/meet-erdos-lect

The Erdős Memorial Lecture is an invited address given annually since 1999 at one of the Society's eight sectional meetings. The Lecture is named for the prolific mathematician Paul Erdős (1913–1996).

Einstein Public Lectures in Mathematics

www.ams.org/meet-einstein-lect

The Einstein Lectures, created by the AMS in 2005 to celebrate the one-hundredth anniversary of Einstein's annus mirabilis, are given annually at one of the Sectional Meetings.

Arnold Ross Lectures

www.ams.org/ross-lectures

Created by the AMS at the encouragement of Paul Sally, these annual lectures are aimed at talented high school

mathematics students to stimulate their interest in mathematics beyond the traditional classroom.

Joint Lectures

AMS–MAA–SIAM Gerald and Judith Porter Lectures

www.ams.org/porter-lect

The Porter Lecture on a mathematical topic accessible to the broader community is given each year at the Joint Mathematics Meetings.

AWM–AMS Noether Lectures

www.awm-math.org/noether-lectures

The Noether Lecture, given each year at the Joint Mathematics Meetings, honors women who have made fundamental and sustained contributions to the mathematical sciences.

AMS–MAA Joint Lectures at MathFests

www.ams.org/ams-mathfest

These joint addresses, delivered annually at MathFest, are historical or expository in character.

AMS–MAA Joint Lectures at the JMM

www.jointmathematicsm meetings.org/2217_invited.html

The AMS and MAA co-sponsor two lectures each year at the JMM. These are among the most popular events at the Meetings.

AMS-Sponsored Lectures at SIAM Meetings

www.ams.org/ams-siam-lect

AMS selects a lecturer to deliver an address at the SIAM Annual Meeting.

The AMS–NZMS Maclaurin Lectureship

www.ams.org/mac laurin-lectures

This lectureship was a six-year reciprocal exchange between the New Zealand Mathematical Society and American Mathematical Society.

The Current Events Bulletin

www.ams.org/current-events-bulletin

Organized by David Eisenbud, this JMM event features speakers surveying some of the most interesting current developments in mathematics, pure and applied.

AMS Prizes

AMS Prizes recognize outstanding achievement in mathematics, exceptional public service in support of research and education in the mathematical sciences, and significant contributions to the public understanding of mathematics. The Society added a new prize in 2019: the Mary P. Dolciani Prize for Excellence in Research. The prizes below are awarded at the Prize Ceremony at the Joint Mathematics Meetings.

Leroy P. Steele Prizes

www.ams.org/steele-prize

- Lifetime Achievement
- Mathematical Exposition
- Seminal Contribution to Research

Bôcher Memorial Prize

www.ams.org/bocher-prize

For a notable paper in analysis

Frank Nelson Cole Prize in Algebra

www.ams.org/cole-prize-algebra

For a notable paper in algebra

Levi L. Conant Prize

www.ams.org/conant-prize

For an expository paper published in either the *Notices of the AMS* or the *Bulletin of the AMS*

NEW! The AMS Mary P. Dolciani Prize for Excellence in Research

www.ams.org/dolciani-prize

Recognizes a mathematician from a department that does not grant a PhD who has an active research program in mathematics and distinguished record of scholarship

Ruth Lyttle Satter Prize in Mathematics

www.ams.org/satter-prize

For an outstanding contribution to mathematics research by a woman

Leonard Eisenbud Prize for Mathematics and Physics

www.ams.org/eisenbud-prize

For work that brings mathematics and physics closer together

E. H. Moore Research Article Prize

www.ams.org/moore-prize

For a research article appearing in one of the AMS primary research journals

David P. Robbins Prize

www.ams.org/robbins-prize

For a paper on novel research in algebra, combinatorics, or discrete mathematics

Bertrand Russell Prize of the AMS

www.ams.org/russell-prize

For research or service contributions of mathematicians or related professionals to promoting good in the world, recognizing the various ways that mathematics furthers human values

Chevalley Prize in Lie Theory

www.ams.org/chevalley-prize

For notable work in Lie theory

Frank Nelson Cole Prize in Number Theory

www.ams.org/cole-prize-number-theory

For a notable paper in number theory

Joseph L. Doob Prize

www.ams.org/doob-prize

For a single, relatively recent, outstanding research book

Ulf Grenander Prize in Stochastic Theory and Modeling

www.ams.org/grenander-prize

For theoretical and applied contributions in stochastic theory and modeling

Albert Leon Whiteman Memorial Prize

www.ams.org/whiteman-prize

For notable exposition and exceptional scholarship in the history of mathematics

Oswald Veblen Prize in Geometry

www.ams.org/veblen-prize

For a notable research memoir in geometry or topology

Award for Distinguished Public Service

www.ams.org/public-service-award

For a research mathematician who has made a distinguished contribution to the mathematics profession

AMS Awards and Fellowships

The Joan and Joseph Birman Fellowship for Women Scholars

www.ams.org/Birman-fellow

Seeks to address the paucity of women at the highest levels of research in mathematics by giving exceptionally talented women extra research support during their mid-career years.

Centennial Fellowship

www.ams.org/centennial-fellow

For outstanding mathematicians to help further their careers in research, with a focus on candidates who have not had extensive fellowship support in the past.

AMS Congressional Fellowship

www.ams.org/ams-aaas-congressional-fellowship

Selected Fellows spend a year working for a member of Congress or a congressional committee as a special legislative assistant in policy areas requiring scientific and technical input.

AMS Mass Media Fellowship

www.ams.org/massmediafellow

In affiliation with the American Association for the Advancement of Science (AAAS), the AMS sponsors ten-week fellowships for graduate students in mathematics to work full time over the summer as reporters, researchers, and production assistants in US mass media organizations—radio and TV stations, newspapers, and magazines.

Waldemar J. Trjitzinsky Memorial Awards

www.ams.org/trjitzinsky-award

Provides assistance to students who have declared a major in mathematics at a college or university that is an institutional AMS member.

Award for Impact on the Teaching and Learning of Mathematics

www.ams.org/impact

For mathematicians who have made significant contributions of lasting value to mathematics education.

Karl Menger Memorial Award

www.ams.org/menger-award

For mathematically oriented projects presented at the International Science and Engineering Fair.

Mathematics Programs that Make a Difference Award

www.ams.org/make-a-diff-award

Aims to bring more persons from underrepresented backgrounds into some portion of the pipeline beginning at the undergraduate level and leading to advanced degrees

in mathematics and professional success, or retain them once in the pipeline.

Exemplary Program or Achievement in Mathematics Department Award

www.ams.org/department-award

For a department which has distinguished itself by undertaking an unusual or particularly effective program of value to the mathematics community.

Epsilon Awards for Young Scholars Programs

www.ams.org/epsilon-award

Supports existing summer programs for mathematically talented high school students.

Fellows of the American Mathematical Society

www.ams.org/ams-fellows

Recognizes members who have made outstanding contributions to the creation, exposition, advancement, and utilization of mathematics.

Joint Prizes and Awards

George David Birkhoff Prize in Applied Mathematics

www.ams.org/birkhoff-prize

Given jointly with the Society for Industrial and Applied Mathematics for an outstanding contribution to applied mathematics in the highest and broadest sense.

Norbert Wiener Prize in Applied Mathematics

www.ams.org/wiener-prize

Given jointly with the Society for Industrial and Applied Mathematics for an outstanding contribution to applied mathematics in the highest and broadest sense.

Frank and Brennie Morgan Prize for Outstanding Research in Mathematics by an Undergraduate Student

www.ams.org/morgan-prize

Given jointly with the Mathematical Association of America and the Society for Industrial and Applied Mathematics for outstanding research in mathematics.

Delbert Ray Fulkerson Prize

www.ams.org/fulkerson-prize

Given jointly with the Mathematical Optimization Society for outstanding papers in the area of discrete mathematics.

AMS/ASA/ACM/IMS/MAA/SIAM Joint Science & Technology Fellowships

With support from the Alfred P. Sloan Foundation, this joint fellowship places PhD mathematicians and other data scientists in a federal agency or on the staff of a Congress member or on a congressional committee for one year.

JPBM Communications Award

www.ams.org/jpbm-comm-award

Given jointly with the Mathematical Association of America, the Society for Industrial and Applied Mathematics, and the American Statistical Association, to reward and encourage communicators who, on a sustained basis, bring mathematical ideas and information to non-mathematical audiences.

Mathematical Art Exhibition Award

www.ams.org/art-exhibit-prize

Given jointly with the Mathematical Association of America for aesthetically pleasing works that combine mathematics and art.

Other Prizes and Awards

NEW! [The Maryam Mirzakhani Prize in Mathematics](#) (formerly The National Academy of Sciences Award in Mathematics)

Funding is currently being sought by the NAS to endow this award. The inaugural Mirzakhani Prize is scheduled for presentation in 2020. It will be awarded biennially for exceptional contributions to the mathematical sciences by a mid-career mathematician.

www.ams.org/nas-award

[The Award for Outstanding Pi Mu Epsilon Student Paper Presentation](#), made by the National Honorary Mathematics Society.

www.ams.org/pme-award

These two awards have not been given in recent years:

[The Public Policy Award](#) was established in 2007 by the AMS to recognize a public figure for sustained and exceptional contributions to public policies that foster support for research, education, and innovation.

www.ams.org/profession/prizes-awards/ams-awards/public-policy-award

[The Public Service Citation](#) was created to provide encouragement and recognition for contributions to public service activities in support of mathematics.

www.ams.org/public-service-citation

[The Beal Prize](#), funded by D. Andrew Beal, is awarded for either a proof or a counterexample of the Beal Conjecture which is published in a refereed and respected mathematics journal.

www.ams.org/beal-prize

[The Stefan Bergman Prize](#) is awarded by the Bergman Trust in honor of his research in several complex variables, as well as the Bergman projection and the Bergman kernel function.

www.ams.org/bergman-prize

The Fredkin Foundation asked the AMS to take over administration of its [Fredkin Foundation prizes in Automatic Theorem Proving](#) in the mid-1980s. This prize is no longer awarded.

www.ams.org/atp-prizes

[The Leonard M. and Eleanor B. Blumenthal Award for the Advancement of Research in Pure Mathematics](#)

This prize was discontinued by the trust.

www.ams.org/blumenthal-award