Voting is open August 21– November 3

2017 American Mathematical Society Elections

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2017 AMS Elections
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Ballots

AMS members will receive email with instructions for voting online by August 21, or a paper ballot by September 21. If you do not receive this information by that date, please contact the AMS (preferably before October 1) to request a ballot. Send email to ballot@ams.org or call the AMS at 800-321-4267 (within the US or Canada) or 401-455-4000 (worldwide). The deadline for receipt of ballots is November 3, 2017.

Write-in Votes

It is suggested that names for write-in votes be given in exactly the form that the name occurs in the AMS entry in the *Combined Membership List* (www.ams.org/cml). Otherwise the identity of the individual for whom the vote is cast may be in doubt and the vote may not be properly credited.

Replacement Ballots

For a paper ballot, the following replacement procedure has been devised: A member who has not received a ballot by September 21, 2017, or who has received a ballot but has accidentally spoiled it, may write to ballot@ams.org or Secretary of the AMS, 201 Charles Street, Providence, RI 02904-2294, USA, asking for a second ballot. The request should include the individual's member code and the address to which the replacement ballot should be sent. Immediately upon receipt of the request in the Providence office, a second ballot, which will be indistinguishable from the original, will be sent by first class or airmail.

Although a second ballot will be supplied on request and will be sent by first class or airmail, the deadline for receipt of ballots cannot be extended to accommodate these special cases.

Biographies of Candidates

The next several pages contain biographical information about all candidates. All candidates were given the opportunity to provide a statement of not more than 200 words (400 for presidential candidates) to appear at the end of their biographical information. Photos were supplied by the candidates.

Description of Offices

The **president** of the Society serves one year as president elect, two years as president, and one year as immediate past president. The president strongly influences, either directly or indirectly, most of the scientific policies of the Society. A direct effect comes through the president's personal interactions with both members of the Society and with outside organizations. In addition, the president sits as member of all five policy committees (Education, Meetings and Conferences, Profession, Publications, and Science Policy), is the chair of the Council's Executive Committee, and serves ex officio as a trustee. Indirect influence occurs as the president appoints chairs and members of almost all committees of the Society, including the policy committees. The president works closely with all officers and administrators of the Society, especially the executive director and the secretary. Finally, the president nomi-

nates candidates for the Nominating Committee and the Editorial Boards Committee. Consequently, the president also has a long-term effect on Society affairs.

The **vice president** and the **members at large of the Council** serve for three years on the Council. That body determines all scientific policy of the Society, creates and oversees numerous committees, appoints the treasurers and members of the Secretariat, makes nominations of candidates for future elections, and determines the chief editors of several key editorial boards. Typically, each of these new members of the Council will also serve on one of the Society's five policy committees. Current and past members of the Council may be found here: `www.ams.org/comm-all.html#COUNCIL`.

The **Board of Trustees**, of whom you will be electing one member for a five-year term, has complete fiduciary responsibility for the Society. Among other activities, the trustees determine the annual budget of the Society, prices of journals, salaries of employees, dues (in cooperation with the Council), registration fees for meetings, and investment policy for the Society's reserves. The person you select will serve as chair of the Board of Trustees during the fourth year of the term. Current and past members of the Board of Trustees, as well as the full charge for a Trustee, may be found here: `www.ams.org/comm-all.html#BT`.

The candidates for **vice president**, **members at large**, and **trustee** were suggested to the Council either by the Nominating Committee or by petition from members. While the Council has the final nominating responsibility, the groundwork is laid by the **Nominating Committee**. The candidates for election to the Nominating Committee were nominated by the current President, Kenneth A. Ribet. The three elected will serve three-year terms. The main work of the Nominating Committee takes place during the annual meeting of the Society, during which it has four sessions of face-to-face meetings, each lasting about three hours. The Committee then reports its suggestions to the spring Council, which makes the final nominations. Current and past members of the Nominating Committee, as well as the full charge, may be found here: `www.ams.org/comm-all.html#NOMCOM`.

The **Editorial Boards Committee** is responsible for the staffing of the editorial boards of the Society. Members are elected for three-year terms from a list of candidates named by the president. The Editorial Boards Committee makes recommendations for almost all editorial boards of the Society. Managing editors of J*ournal of the AMS*, *Mathematics of Computation*, *Proceedings of the AMS*, and *Transactions of the AMS*; and Chairs of the *Colloquium*, *Mathematical Surveys and Monographs*, and *Mathematical Reviews* editorial committees are officially appointed by the Council upon recommendation by the Editorial Boards Committee. In virtually all other cases, the editors are appointed by the president, again upon recommendation by the Editorial Boards Committee. Current and past members of the Editorial Boards Committee, as well as the full charge, may be found here: `www.ams.org/com-all.html#EBC`.

Elections to the **Nominating Committee** and the **Editorial Boards Committee** are conducted by the method of approval voting. In the approval voting method, you can vote for as many or as few of the candidates as you wish. The candidates with the greatest number of the votes win the election.

A Note from AMS Secretary Carla D. Savage

The choices you make in these elections directly affect the direction the Society takes. If the past election serves as a reliable measure, about 13 percent of you will vote in the coming election, which is comparable with voter participation in other professional organizations which allow an online voting option. This is not mentioned as encouragement for you to throw the ballot in the trash; instead, the other officers and Council members join me in urging you to take a few minutes to review the election material, fill out your ballot, and submit it. The Society belongs to its members. You can influence the policy and direction it takes by voting.

Also, let me urge you to consider other ways of participating in Society activities. The Nominating Committee, the Editorial Boards Committee, and the Committee on Committees are always interested in learning of members who are willing to serve the Society in various capacities. Names are always welcome, particularly when accompanied by a few words detailing the person's background and interests. Self-nominations are probably the most useful. Recommendations can be transmitted through an online form (`www.ams.org/committee-nominate`) or sent directly to the secretary: `secretary@ams.org` or Office of the Secretary, American Mathematical Society, Department of Computer Science, Box 8206, North Carolina State University, Raleigh, NC 27695-8206 USA.

PLEASE VOTE.

Proposed Amendments to the Bylaws

According to the Society's Bylaws, amendments are recommended by the AMS Council and approved by the members. To gain approval an amendment must have an affirmative vote of two-thirds of those voting.

The complete Bylaws can be viewed at `www.ams.org/about-us/governance/bylaws`. The Bylaws are also published in this, the September 2017, issue of the *Notices*.

First Proposed Bylaws Amendment

The AMS has the following officers: president, immediate past president/president elect, three vice presidents, secretary, four associate secretaries, treasurer, and associate treasurer. The current Bylaws specify that all of the officers are ex officio voting members of Council, except the associate secretaries. At any given time, only one of the associate secretaries is a voting member of Council.

The associate secretaries are responsible for all scientific aspects of the AMS meetings program. Each associate secretary arranges two sectional meetings per year. In addition, there is the annual Joint Mathematics Meeting and a yearly Joint International Meeting. The associate secretaries are responsible for these as well, with one associate secretary handling each meeting in a four-year rotation. The associate secretaries work closely with AMS staff, and represent the AMS to members, colleges and universities, and international mathematicians and societies.

The AMS was founded as the New York Mathematical Society in 1888 with the express purpose of holding meetings. It soon began publishing journals as well, with the Bulletin dating from 1891. Today, the AMS has a myriad of activities, but publishing and holding meetings remain as two of its most essential.

The proposed amendment addresses an imbalance in representation on the AMS Council. Currently the chairs of eight AMS journal editorial committees are voting members of the Council. However, a single associate secretary represents meetings of the Society on the Council.

With the proposed amendment, journal editorial committee chairs will have eight votes on Council and the associate secretaries responsible for meetings will have four, a more appropriate ratio. There will be 20 elected members and 15 appointed members, preserving the longstanding AMS policy that the majority of Council be elected members.

This change will allow the Council to benefit fully from the experience and perspectives of the associate secretaries while giving the associate secretaries a role in AMS governance that is commensurate with their contributions to the Society and their status as officers of the AMS.

The Council recommends that Article IV, Section 1 of the AMS Bylaws be changed as indicated below to include all four associate secretaries as ex officio members of the Council.

> **Current Article IV, Section 1**. The Council shall consist of fifteen members at large and the following ex officio members: the officers of the Society specified in Article I, *except that it shall include only one associate secretary*, the chairman of each of the editorial committees specified in Article III, any former secretary for a period of two years following the terms of office, and members of the Executive Committee (Article V) who remain on the Council by the operation of Article VII, Section 4.
>
> The chairman of any committee designated as a Council member may name a deputy from the committee as substitute. *The associate secretary shall be the one charged with the scientific program of the meeting at which the Council meets except that at a meeting associated with no scientific meeting of the Society the secretary may designate the associate secretary.*
>
> **Proposed Article IV, Section 1**. The Council shall consist of fifteen members at large and the following ex officio members: the officers of the Society specified in Article I, the chairman of each of the editorial committees specified in Article III, any former secretary for

a period of two years following the terms of office, and members of the Executive Committee (Article V) who remain on the Council by the operation of Article VII, Section 4.

The chairman of any committee designated as a Council member may name a deputy from the committee as substitute.

Second Proposed Bylaws Amendment

In reviewing the Bylaws in connection with the first proposed amendment, it was observed that the Bylaws are gender-neutral, with the exception of three instances.

The Council recommends the following purely editorial change to the Bylaws: The two appearances of the word "chairman" in Article IV, Section 1, and the one appearance of the word "chairman" in Article VII, Section 2, be changed to "chair".

Nominations for President

Nomination of Jill C. Pipher
by Peter W. Jones and Carlos E. Kenig

It is a pleasure and a distinct honor to nominate Jill Pipher for the Presidency of the AMS. We have both known Jill for more than 30 years. Over the course of her distinguished career, Jill has made fundamental contributions to harmonic analysis and partial differential equations and has also done groundbreaking work in cryptography. Jill has served our profession in a variety of ways and she has a remarkable record of service to our community. Jill has great leadership abilities that she has demonstrated over the years in a number of ways. Her leadership style combines vision, dedication, determination, careful thought, and a true commitment to diversity in all its forms. We are convinced that Jill would be an outstanding choice for President of the American Mathematical Society.

Jill's Background

Jill obtained her BA degree at UCLA in 1979. She completed her PhD, also at UCLA, in 1985, under the direction of John Garnett. In the period 1985–1990 she was an L. E. Dickson Instructor and then an Assistant Professor at the University of Chicago. Jill moved to Brown University in 1990, as Associate Professor, where she has remained ever since. Since 2013 she is the Elisha Benjamin Andrews Professor of Mathematics. In addition to her academic work, Jill was, in 1999, a co-founder of NTRU, Inc., a company founded to commercialize the first secure and practical public key cryptosystem, which Jill developed with J. Hoffstein and J. Silverman. The company was sold in 2009 to Security Innovation, Inc., a privately held company.

Jill has served in a number of administrative positions. Here are some highlights: she served as chair of the Department of Mathematics at Brown, 2005–2008, as President of the Association for Women in Mathematics (AWM) 2011–2013, as Founding Director of the National Science Foundation (NSF) Institute for Computational and Experimental Research in Mathematics (ICERM) at Brown 2010–2016, and she will serve as Vice President for Research at Brown, starting in July 2017. In addition, Jill has served on numerous committees and advisory boards.

Peter W. Jones, James E. English Professor of Mathematics & Applied Math, Yale University

Carlos E. Kenig, Louis Block Distinguished Service Professor of Mathematics, University of Chicago.

Jill has been widely recognized for her scientific achievements. She received an NSF Postdoctoral Fellowship (1987–1990), an Alfred P. Sloan Fellowship (1989–1993), and a Presidential Young Investigator Award (1990–1995). In 2012, Jill was elected Fellow of the AMS, in its Inaugural Class, and in 2014 she was an invited speaker at the International Congress of Mathematicians, Seoul, Korea. In 2015 she was elected as Fellow of the American Academy of Arts and Sciences.

Jill has delivered many invited and distinguished lectures all over the world and has organized or co-organized many workshops, conferences and programs.

Jill's Mathematics

We now turn to some of the highlights of Jill's research.

On harmonic analysis

The modern theory of harmonic analysis in several variables had its beginnings in the pioneering work of A. Calderon and A. Zygmund and their school, in the second half of the 20th century. In this work, the basic object of study was the analysis of operators (such as singular integrals, maximal functions, and multipliers) that behaved in a natural way with respect to the dilations and translations in the ambient space. The dilations considered in the initial works were isotropic, of the same magnitude in each separate variable. Later on, anisotropic dilations were also considered, but still depending on a single parameter. The resulting body of works is one of the bedrocks of modern analysis, with myriad fundamental applications to partial differential equations, complex analysis, analysis on Lie groups, geometry, probability, theory, operator theory, and other areas of mathematics. In the late 1970s and early 1980s, in works of Malliavin–Malliavin, Gundy–Stein, A. Chang and R. Fefferman, a study of the case of independent dilations in each variable (or subgroup of variables) was initiated, in what we now call the "multi-parameter theory." (This was preceded by a pioneering work in the 1930s by Jessen–Marcinkiewicz–Zygmund, on the so called "strong maximal function," which remained isolated for decades.) It is against this backdrop that Jill's deep contributions to the multi-parameter theory should be placed. In her dissertation, Jill extended an important covering lemma of Journe's from the case of two parameters, to the general multi-parameter case, in a breakthrough. In an important paper with R. Fefferman (1997), Jill developed sharp weighted norm inequalities for multi-parameter operators,

a work which has led to surprising developments in several aspects of harmonic analysis. In a noteworthy series of works, Jill (and collaborators) pioneered a multi-parameter theory of multi-linear operators. For instance, with Muscalu, Thiele, and Tao (2004, 2006) Jill developed a multi-parameter theory of paraproducts. The one-parameter case was introduced by Coifman–Meyer in their groundbreaking development of the multi-linear Calderon–Zygmund theory, which was motivated by important applications to complex analysis, operator theory and partial differential equations. The resulting multi-parameter theory is extremely intricate and also very useful. It is essential for the development of multi-parameter Leibniz rules for fractional differentiation, which are used for instance, in the analysis of some non-linear dispersive equations.

On partial differential equations

The theory of linear partial differential equations under minimal regularity on the coefficients and on the boundaries of the domains involved, was developed because of its intrinsic interest and also with an eye towards applications to nonlinear partial differential equations. The fundamental works of E. De Giorgi, J. Nash and J. Moser in the late 1950s and early 1960s greatly advance this program, for example yielding the solution of Hilbert's 19th problem, independently by De Giorgi and Nash. In the early 1960s, A. Calderon, motivated by these works and his own works on algebras of singular integral operators, envisioned a research program, one of whose ultimate goals was to develop a theory of elliptic boundary value problems on Lipschitz domains, which would be the analog of the theory of Agmon–Douglis–Nirenberg, and Calderon himself, developed in the late 50's, and which was set in regular domains. Progress in this program has been slow and difficult, but a number of breakthrough results were obtained for the case of second order constant coefficient elliptic equations on Lipschitz and C1 domains, by Dahlberg, Fabes–Jodeit–Riviere, Jerison–Kenig, A. Calderon, Dahlberg-Kenig and others in the late 1970s and early 1980s. For higher order constant coefficient elliptic equations, very few results were available. In the early to mid 1990s, Jill (in collaboration with G. Verchota) pioneered the systematic study of the Dirichlet and regularity problems for constant coefficient higher order elliptic operators, with data in Lebesgue spaces, on Lipschitz domains. These works revealed intriguing differences with the well-understood second order case. The culmination of these works is a by now classical paper of Jill and Verchota from 1995, in which they established the unique solvability of the Dirichlet (and regularity) problems with square integrable data, on bounded Lipschitz domains, for arbitrary order homogeneous constant coefficient elliptic operators, thus establishing a long-standing conjecture in the field. These works have stimulated a lot of further research, which is still ongoing, since many fascinating open problems remain in this area. Jill has also made (and continues to make) important contributions to the study of the Dirichlet, regularity and Neumann problems for second order elliptic operators in divergence form, under sharp regularity assumptions on the coefficients. Noteworthy recent contributions are in joint works with Hofmann, Kenig, and Mayboroda (2015), where Jill established, for coefficients that need not be symmetric, optimal results on the solvability of the problems mentioned above, with data in Lebesgue spaces. The new methods developed in these works are expected to have a wide range of applicability.

On cryptography

Jill's work on cryptography started in a paper with J. Hoffstein and J. Silverman, in which they describe NTRU, the first secure and practical cryptosystem based on hard lattice problems. This work has spawned a veritable industry of research on lattice-based cryptography, which has recently taken on added importance due to its use by Gentry to construct the first fully homomorphic cryptosystem, and to the fact that NTRU and subsequent lattice-based cryptosystems appear to be secure against attack by quantum computers, as opposed to all earlier systems. Jill continues to be actively involved in this field, in which she has co-founded a company to commercialize a new cryptosystem, published a number of papers, holds four patents, and has written an undergraduate textbook (all with co-authors).

In addition to the intense research work just outlined, Jill has over the years also been very actively involved in the mentoring and training of graduate students and postdocs.

Jill and ICERM (the NSF Institute for Computational and Experimental Research in Mathematics)

Jill played an amazing leadership role in the conception and creation of ICERM, the Institute for Computational and Experimental Research in Mathematics, an NSF-funded research institute at Brown University, of which she was the founding director (2010–2016). Jill conceived the scientific concept of the institute and wrote the proposal to NSF. A key role in the securing of the NSF funding for the institute was played by the commitment by Brown University to build the facilities for the institute. This was a big investment in mathematics by Brown. To obtain this commitment, Jill needed to forcefully and persuasively present the case, to the university's administration, of the importance of mathematics for the university.

Jill was deeply involved in every aspect of the creation of ICERM, from putting together an excellent board of trustees for general oversight, and an outstanding scientific advisory board to advise on the launching of great programs, to ensuring that postdocs and visitors had successful and enjoyable experiences, and always making diversity in all its forms a priority for the institute. During Jill's tenure ICERM became a world-renowned institute. Finally, before stepping down as director, Jill made a forceful case to Brown's administration to make the institute a priority in their fundraising, to help secure its funding going forward.

Conclusion

Jill Pipher has demonstrated outstanding leadership qualities through her excellent work as chair of the Department of Mathematics at Brown and president of the AWM. She has also made a number of important scientific contributions to harmonic analysis, partial differential equations

and cryptography. As founding director of ICERM, Jill has shown great vision, and has demonstrated a leadership style that encompasses careful thoughtfulness and true dedication to diversity and inclusion. In making ICERM a reality, Jill has shown herself to be an incredibly effective advocate for mathematics. We feel very strongly that these great attributes would serve very well the AMS and the whole mathematical community, should Jill be elected to the Presidency of the AMS.

* We are very grateful to Jennifer Chayes and Joe Silverman for their help in the preparation of this nomination

Nomination of Ruth J. Williams
by Persi Diaconis and S. R. Srinivasa Varadhan

Ruth Williams is an excellent choice to be President of the American Mathematical Society (AMS). She is a superb probabilist and analyst who has developed both healthy abstract theories and really useful applications. Ruth was president of the Institute of Mathematical Statistics, an active editor of journals, and a very successful organizer of dozens of large meetings. Ruth is well known as someone who gets things done in a positive, responsible way. With storm clouds on the national horizon, having an effective leader with a "can do" spirit as well as being a world-class mathematician is crucial to the AMS.

To begin at the beginning, Ruth had her undergraduate and master's level education in Melbourne, Australia. She had a spectacular start, winning many prizes at the University of Melbourne in mathematics, pure and applied, as well as physics and chemistry. Her first publications (in *n*-person game theory) stem from this period.

She then went to Stanford University to pursue a doctorate in mathematics under Kai Lai Chung. Her thesis problem started in queueing theory but evolved into delicate infinite-dimensional analysis and novel high-dimensional convex geometry. In simple cases, a queue can be described by specifying an arrival process, for instance, a Poisson process, an internal structure — for instance, there are k servers and arrivals join the shortest line — and a distribution of service times. As customers arrive, queue lengths build up and deplete, and one is interested in long-time stationary behavior, the emergence of blow-ups, and the effect of the design on these. A useful limiting approximation, the heavy traffic limit, has arrival and service rates large but approximately equal. Then a suitably scaled vector of queue lengths behaves like an n-dimensional diffusion process reflecting off the boundaries of a convex polyhedra. Understanding the heavy traffic limits of complex queuing networks with a large number of interconnected nodes with feedback; i.e., when, after service, the client can go back for service at another node, has an important role in the study of complex computer networks.

Persi Diaconis, Mary V. Sunseri Professor of Statistics, Professor of Mathematics Stanford University.

S. R. Srinivasa Varadhan, Professor of Mathematics and the Frank-Jay Gould Professor of Science, Courant Institute.

Ruth's thesis treated the case of diffusion in a two-dimensional wedge. This is Brownian motion with a drift towards zero inside the wedge with constant oblique reflections on the two lines bounding the wedge. The existence of the limit and its long-term behavior were established and studied in detail. Later technical advances established conditions on the reflection rules so that the diffusion is a semi-martingale; a detailed study was later made for symmetric diffusions. In work with Maury Bramson, Ruth developed a method for reducing the dimension of the space in which the approximation has to be established.

Ruth has continued to work on both mathematical and applied aspects of queueing theory. In a system where each processor is shared among many jobs, perhaps unequally, the analysis requires keeping track of the amount of service still needed for each job. The information can be coded into a measure and this can be used to study the limits both fluid (law of large numbers) and diffusive (fluctuation). Some of this work, with Amber Puha, received the Best Publication in Applied Probability Award from the Applied Probability Society of the Institute for Operations Research and the Management Sciences. She discussed this work at the International Congress of Mathematicians (ICM) in Berlin and it is cited in her INFORMS John von Neumann Theory Prize.

Ruth seems to have investigated every part of queueing theory, from the most esoteric measurability issues to long-term collaborations with applied researchers working on stochastic control of stochastic networks. She has been fundamental in finding how to implement the optimal procedures obtained for the heavy traffic limit on an actual queueing network. While the answer to the question in full generality is still open, Ruth has solved a variety of cases for networks with specific protocols.

Other longstanding interests, with many publications, are financial mathematics, chemical reaction networks, and biology—in particular crosstalk in gene networks. In these areas, Ruth mixes mathematical clarity and rigor with hands-on knowledge of the science underlying the application. In this age of increasing specialization, it is refreshing to witness Ruth's immersive grasp of dynamical systems, game theory, PDEs, control theory, and functional analysis all coming together.

Clearly, Ruth Williams is a distinguished probabilist. She is a member of the US National Academy of Sciences, an ICM speaker and von Neumann Prize winner. In addition, she has years of experience in service to the community. The Institute of Mathematical Statistics (IMS) is a large international organization very much akin to the AMS. Ruth served three years as IMS president (incoming, current, and past). Her two AMS nominators have both done this job and attest to the good judgment and patience Ruth brought to it. She has served on innumerable committees, like selection, advisory, and organizing. She has infinite energy, getting things done in an innovative, fair, and calm way. We both believe that, if elected, she will make an excellent President of the American Mathematical Society, and she deserves your vote.

Biographies of Candidates 2017

Biographical information about the candidates has been supplied and verified by the candidates.

Candidates have had the opportunity to make a statement of not more than 200 words (400 for presidential candidates) on any subject matter without restriction and to list up to five of their research papers.

Candidates have had the opportunity to supply a photograph to accompany their biographical information. Acronyms: AAAS (American Association for the Advancement of Science); AMS (American Mathematical Society); ASA (American Statistical Association); AWM (Association for Women in Mathematics); CBMS (Conference Board of the Mathematical Sciences); IAS (Institute for Advanced Study), ICERM (The Institute for Computational and Experimental Research in Mathematics; ICM (International Congress of Mathematicians); IMA (Institute for Mathematics and Its Applications); IMS (Institute of Mathematical Statistics); IMU (International Mathematical Union); IPAM (Institute for Pure and Applied Mathematics); LMS (London Mathematical Society); MAA (Mathematical Association of America); MSRI (Mathematical Sciences Research Institute); NAS (National Academy of Sciences); NRC (National Research Council); NSF (National Science Foundation); PIMS (Pacific Institute for the Mathematical Sciences); SIAM (Society for Industrial and Applied Mathematics); STEM (Science, Technology, Engineering and Mathematics).

President

Photo courtesy of Brown University

Jill C. Pipher
Elisha Benjamin Andrews Professor of Mathematics, Brown University.
PhD: University of California, Los Angeles, 1985.
AMS Committees: Selection Committee, Fellows Program, 2014–2016; Committee on Committees, 2014–2016; Committee on National Awards and Public Representation, 2016–2018; Mathematics Research Communities Advisory Board, 2017–2020.
Selected Addresses: National Science Foundation–Mathematics and Physical Sciences Distinguished Lecture, 2011; MAA Distinguished Lecture, Washington DC, 2012; MAA Invited Address, Joint Mathematics Meetings, Baltimore, MD, 2014; Invited Speaker, Analysis Section, International Congress of Mathematicians, Seoul, Korea, 2014; AWM Research Symposium Plenary Speaker, University of Maryland, 2015.
Additional Information: NSF Postdoctoral Fellowship, 1987–1990; Alfred P. Sloan Foundation Fellowship, 1989–1993; Presidential Young Investigator Award, 1990–1995; Editorial Board, *Transactions of the AMS,* 1995–1997; Co-founder, NTRU Cryptosystems, Inc., 1999; Patents: 7,913,088, 7,308,097, 6,298,137 and 6,081,597; Founding Director, NSF Institute for Computational and Experimental Research in Mathematics, Brown University, 2010–2016; President, Association for Women in Mathematics, 2011–2013; Fellow, American Mathematical Society, Inaugural Class, 2012; Member, Society for Industrial and Applied Mathematics Committee on Science Policy, 2014–2018; American Academy of Arts and Sciences, Elected 2015; Member, Mathematical Association of America, Committee on Prizes and Awards, 2015–2017; Subcommittee Chair, NSF-Division of Mathematical Sciences Committee of Visitors, September 2016; Member: AWM, MAA, SIAM.
Selected Publications: 1. with C. Kenig and R. Fefferman, The theory of weights and the Dirichlet problem for elliptic equations, *Ann. of Math.* (2) **134** (1991), 65–124. **MR1114608 (93h:31010);** 2. with G. Verchota, Dilation invariant estimates and a boundary Gårding inequality, *Ann. of Math.* (2) **142** (1995), no. 1, 1–38. **MR1338674 (96g:35052);** 3. with J. Hoffstein and J. Silverman, NTRU: a ring-based public key cryptosystem, Algorithmic Number Theory (ANTS III), J. Buhler (ed.), *Lecture Notes in Comput. Sci.,* **1423,** Springer-Verlag (1998), 267–288. **MR1726077;** 4. with J. Hoffstein and J. Silverman, *An Introduction to Mathematical Cryptography,* Springer Undergraduate Texts in Mathematics, first edition 2008, second edition 2015. **MR3289167;** 5. with S. Hofmann, C. Kenig, and S. Mayboroda, Square function/non-tangential maximal function estimates and the Dirichlet problem for second order non-symmetric elliptic equations, *J. Amer. Math. Soc.,* **28** (2015), no. 2, 483–529. **MR3300700.**
Statement by Candidate: I am honored to be nominated for the Presidency of the American Mathematical Society, and I eagerly welcome the privilege of serving the mathematical sciences community in this capacity.

I have devoted much of my career to research, teaching, and mentoring, but I've also had many different professional experiences. I chaired the Mathematics Department at Brown University, and I founded and directed the NSF

Institute for Computational and Experimental Research in Mathematics (ICERM) for its first six years. I served as President of the Association for Women in Mathematics (AWM) and oversaw the inaugural AWM Research Symposia and the creation of the endowed research prizes. Together with two Brown colleagues, I co-founded a company and gained a firsthand appreciation of entrepreneurship and of industry research. I enjoy advocating for research, and I am excited to be the Vice President for Research at Brown University as of July 2017.

I entered the mathematical profession via a somewhat non-traditional path; my first exposure to advanced math was in college. In my freshman year, I was thrilled to discover set theory/logic and decided to pursue a research career in mathematics. I finished my undergraduate career at UCLA and entered the PhD program there. Even as an undergraduate, I had family responsibilities and part-time jobs. Consequently, I have a tremendous personal as well as professional interest in ensuring that the AMS be a welcoming society for all mathematicians and that it be fully engaged in supporting every member of our community.

If elected, I will work with energy on every aspect of the core mission of the AMS. Publications and meetings are vital to our profession. Prizes are valued acknowledgements of exceptional contributions and I'd be happy to see more recognition of the wide-ranging achievements of members of our community. I especially hope to help the AMS be an advocate for mathematical research in public, private, and government sectors.

Equally important is helping to ensure that the AMS continues to support the next generation of mathematical scientists and educators. The uncertainty of future funding for mathematics at the federal level is a pressing challenge to the profession and primarily affects early-career researchers. I plan to explore opportunities to partner with other organizations in making the case for mathematics.

The hard work of many people is required to make the AMS a healthy, dynamic, and responsive organization. I look forward to working with the dedicated staff and membership to advance these goals.

Ruth J. Williams
Distinguished Professor of Mathematics and Charles Lee Powell Chair in Mathematics, University of California, San Diego.
PhD: Stanford University, 1983.
AMS Offices: Member at Large of the Council, 1991–1993.
AMS Committees: Western Section Program Committee, 1993–1994 (Chair, 1994); Committee on Meetings and Conferences, 1993–1996; Committee on the Profession, Subcommittee on Employment Issues, 1996–1997; Committee on Summer Institutes and Special Symposia, 1996–1999; Committee on Committees, 1997–1998 (Acting Chair, 1998); Liaison Committee with AAAS, 2006–2008; Committee on National Awards and Public Representation, 2013–2014; Bôcher Prize Committee, 2016.

Selected Addresses: MAA Invited Address, JMM, Phoenix, 1989; AMS Invited Address, JMM, Cincinnati, 1994; International Congress of Mathematicians, Berlin, 1998; Doob Lecture, International Conference on Stochastic Processes and Their Applications, Oaxaca, Mexico, 2011; Kolmogorov Lecture, World Congress in Probability and Statistics, Toronto, 2016.

Additional Information: Member, Association for Women in Mathematics, 1986–present; NSF Presidential Young Investigator, 1987–1993; Alfred P. Sloan Research Fellow, 1988–1992; Fellow, Institute of Mathematical Statistics, 1992; Fellow, American Association for the Advancement of Science, 1995; Member, Society for Industrial and Applied Mathematics, 1996–present; Member, US National Committee for Mathematics, 1997–2002; Guggenheim Fellowship, 2001–2002; Member, Board of Governors of the Institute for Mathematics and Its Applications (IMA), 2003–2006; Best Publication Award, Applied Probability Society, 2007 (shared with co-authors H. Christian Gromoll and Amber L. Puha); Fellow, Institute for Operations Research and Management Science, 2008; Scientific Program Chair, World Congress in Probability and Statistics, 2008; Election to American Academy of Arts and Sciences, 2009; President, Institute of Mathematical Statistics, 2012; Inaugural Fellow, American Mathematical Society, 2012; Election to National Academy of Sciences, 2012; John von Neumann Theory Prize, shared with Martin I. Reiman, Institute for Operations Research and the Management Sciences, 2016.

Selected Publications: 1. with K. Chung, Introduction to Stochastic Integration, Birkhäuser, Boston, First Edition 1983, Second Edition, 1990. **MR1102676 (92d:60057);** 2. with S. Varadhan, Brownian motion in a wedge with oblique reflection, *Comm. Pure Appl. Math.,* **38** (1985), no. 4, 405–443. **MR0792398 (87c:60066);** 3. Reflecting diffusions and queueing networks, Invited paper, Proceedings of the International Congress of Mathematicians, Berlin, 1998, *Doc. Math.,* vol. 3, 321–330. **MR1648166 (99j:60149);** 4. With Z. Chen and Z. Zhao, On the existence of positive solutions for semilinear elliptic equations with singular lower order coefficients and Dirichlet boundary conditions, *Math. Ann.,* **315** (1999), no. 4, 735–769. **MR1731467 (2001a:35061);** 5. With D. Lipshutz, Existence, uniqueness and stability of slowly oscillating periodic solutions for delay differential equations with nonnegativity constraints, *SIAM J. Math. Anal.,* **47** (2015), no. 6, 4467–4535. **MR3427045.**

Statement by Candidate: I am deeply honored to be nominated to stand for election as President of the American Mathematical Society. I have been a dedicated member since I was a PhD student, and I am grateful for the many ways I have benefitted from the AMS's support of mathematics research, scholarship, and education.

Most conspicuous amongst AMS activities are its publication of high-quality journals, books, and reviews, and its cutting-edge meetings. In supporting employers and job seekers, the AMS has set the standard with the

development of `MathJobs.Org,` which was just a dream when I served on the AMS Council in the early 1990s. Less conspicuous, but extremely important, are the AMS's advocacy efforts to increase the appreciation of, and support for, mathematics.

Indeed, in these highly uncertain times, it is vitally important that the AMS redouble its efforts to emphasize the importance and impact of mathematics to policy makers and the general public. I plan to be vigorously engaged in this activity drawing on my experience with science policy gained when I served as President of the Institute of Mathematical Statistics (IMS), the main professional society amongst approximately 4000 focused on supporting mathematics research in probability and statistics.

My experience with the IMS, which publishes leading journals, will also be valuable in facing the ongoing AMS challenges of ensuring journal integrity and accessibility while maintaining financial viability. Furthermore, important mathematical content is increasingly available in a variety of forms, e.g., webpages constructed over decades by major mathematicians, videos of lectures, conference websites, blogs, etc. The AMS should take a lead in developing a systematic approach to archiving and curating these valuable materials.

Employment opportunities for mathematicians continue to expand in non-academic venues. The AMS, in partnership with mathematics institutes and societies, should help provide further resources for the training and career development of all mathematicians.

It is important for the AMS to intensify its efforts towards fostering diversity and inclusion. We can all help to support diversity efforts; personal connections can make a huge difference in encouraging those from disadvantaged or underrepresented groups. The AMS also needs to be proactive in ensuring that all mathematicians have equal access to the opportunities of our profession. As I saw, when serving on the US National Committee on Mathematics, partnering with other mathematics and scientific organizations can be very effective for this.

If elected AMS President, I will do my utmost to meet the challenges, expected and unexpected, that will arise in furthering the advancement of the full spectrum of mathematics and mathematicians.
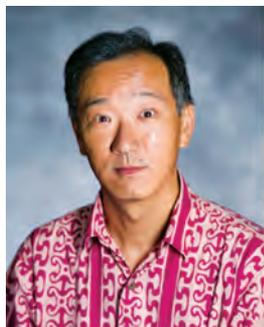
Vice President

Ken Ono
Asa Griggs Candler Professor of Mathematics, Emory University.
PhD: UCLA, 1993.
AMS Offices: Member, AMS Council, 2006-2009.
AMS Committees: *Bulletin of the AMS,* Associate Editor, Reviews, 2005–2018; *Proceedings of the AMS,* Editor, 2005–2010; Committee on Publications, 2006–2009; Research Communities Advisory Board, 2009–2012; Committee on Committees, 2009–2010; *Proceedings of the American Mathematical Society,* Managing Editor, 2010–2018; Working Group on Graduate Training, 2010–2012; Nominating Committee, 2012–2014; AMS-MAA-SIAM Morgan Prize Committee, 2016–2019.

Selected Addresses: Harvard-MIT Current Developments in Mathematics, 2008; AMS Invited Address, Joint Mathematics Meetings, Washington, DC, 2009; AMS Distinguished Erdös Lecture, Tucson, 2012; AMS-NZMS Maclaurin Distinguished Lecturer, New Zealand, 2017; AMS Arnold Ross Lecture, Orlando, 2017.

Additional Information: NSF CAREER Award, 1999; Alfred P. Sloan Research Fellowship, 1999; David and Lucile Packard Fellowship, 1999; Presidential Early Career Award (awarded by Clinton), 2000; John S. Guggenheim Fellowship, 2003; NSF Director's Distinguished Teaching Scholar Award, 2005; MAA, Member, 2010–present; US National Committee for Mathematics (NAS), Member, 2010–present; Fellow, AMS, 2012; Albert E. Levy Research Award, 2014; MAA Invited Address, Joint Mathematics Meetings, San Antonio, 2015; Associate Producer, *The Man Who Knew Infinity,* 2016; MAA Distinguished Polya Lecturer, 2016–2017; 2017 National Science Film Festival Technical Excellence Award.

Selected Publications: 1. with K. Soundararajan, Ramanujan's ternary quadratic form, *Invent. Math.,* **130** (1997), 415–454. **MR1483991 (99b:11036);** 2. with C. Skinner, Fourier coefficients of half-integral weight modular forms modulo l, *Ann. of Math.* (2) **147** (1998), no. 2, 453–470. **MR1626761 (99f:11059a);** 3. with W. Kohnen, Indivisibility of class numbers of imaginary quadratic fields and orders of Tate–Shafarevich groups, *Invent. Math.,* **135** (1999), no. 2, 387–398. **MR1666783 (2000c:11087);** 4. with K. Bringmann, Dyson's ranks and Maass forms, *Ann. of Math.* (2) **171** (2010), no. 1, 419–449. **MR2630043 (2011e:11165);** 5. with J. Bruinier, Heegner divisors, *L*-functions and harmonic weak Maass forms, *Ann. of Math.* (2) **172** (2010), no. 3, 2135–2181. **MR2726107 (2012c:11101).**

Statement by Candidate: I am honored to be nominated to run for Vice President of the American Mathematical Society. I have served the AMS in many ways since first becoming a member as a graduate student at UCLA in 1989. I have been an editor of the *Proceedings of the American Mathematical Society* since 2005 (serving as the Managing Editor since 2010). I have been an avid supporter of the AMS "Who Wants to Be a Mathematician" program. I have also been an active member of a wide variety of committees. My experience positions me well for the position as Vice President. If elected, I will work to promote and popularize mathematics. I will champion efforts which provide enhanced opportunities for young mathematicians and members of underrepresented groups. I will do my part to help to advise the AMS Publisher with regard to the book program and the AMS journals. Finally, I am eager to help establish a movement which aims to restore the value of academic and intellectual capital in our society. The AMS is an extraordinary organization, and I am committed to its continued success and growth.

Arlie O. Petters
Benjamin Powell Professor of Mathematics, Duke University.
PhD: MIT, 1991.
Selected Addresses: Einstein Centennial Lecture, Duquesne University, 2015; National Math Festival, MSRI and IAS, Washington, DC, 2015; Spring Lecture Series, University of Arkansas, 2013; TEDx Lecture, NCSSM, Durham, NC, 2012; Nagle Lecture, University of South Florida, 2010.
Additional Information: Alfred P. Sloan Research Fellow, 1998–2002; NSF Faculty Early Career Grant Award, 1998–2003; Bass Society of Fellows, 1998–present; Blackwell–Tapia Prize, 2002; Board of Governors, IMA, 2006–2010; Board of Trustees, IPAM, 2006–2010; Honorary Doctor of Science, CUNY–Hunter College, 2008; Membership in the Most Excellent Order of the British Empire, awarded by Queen Elizabeth, 2008; Robert L. Clark Award, 2011; Caribbean American Heritage Award, 2011; Dean, Academic Affairs for Trinity College of Arts and Sciences, Duke University, 2016–present.
Selected Publications: 1. with X. Dong, *An introduction to mathematical finance with applications*, Springer (2016). MR3497142; 2. with A. Aazami and C. Keeton, Lensing by Kerr black holes. II: analytical study of quasi-equatorial lensing observables, *J. Math. Phys.,* **52** (2011), no. 10, 102501, 26 pp. MR2894591; 3. with A. Aazami, A universal magnification theorem. III. Caustics beyond codimension five, *J. Math. Phys.,* **51** (2010), no. 2, 023503. MR2605053 (2011f:58070); 4. with A. Teguia, and B. Rider, A mathematical theory of stochastic microlensing. II. Random images, shear, and the Kac–Rice formula, *J. Math. Phys.,* **50** (2009), no. 12, 122501. MR2582583 (2011e:85005); 5. Multiplane gravitational lensing. II. Global geometry of caustics, *J. Math. Phys.,* **36** (1995), no. 8, 4276–4295. MR1341991 (97d:58025).
Statement by Candidate: I am honored to run for a position as Vice President of the AMS. My love for mathematics ignited when a high school teacher showed our class the link between geometry and the motion of planetary bodies. Indeed the key role of mathematics in the fundamental discoveries of many disciplines highlights the important place of our field. I would passionately promote mathematical research within the field and across its synergistic intersections with other disciplines, industries, businesses, governmental research agencies, and work on bridges to wider employment opportunities for mathematicians.

Equally important, I believe that these efforts have to be vertically integrated and inclusive of diversity. Specifically, it is part of our collective responsibility to be stakeholders in K–12 and undergraduate mathematics education as well as in the representation of women and underrepresented minorities in mathematics.

Overall, I am fired up about promoting research, employment opportunities, diversity, vertical integration, and pipelines in mathematics. The AMS is an important partner in addressing these issues, which are foundational for ensuring that our field continues to thrive in perpetuity. For this reason, I would be honored to have your support in my bid to be an AMS Vice President.

Board of Trustees

Peter March
Executive Dean of Arts and Sciences, Rutgers University, New Brunswick.
PhD: University of Minnesota, 1983.
AMS Committees: Committee on Science Policy, 2005–2006, 2016–present; Committee on the Profession, 2012–2014; Joint Data Committee, 2012–2014.
Selected Addresses: Conference on Coagulation Models, Germany, 2001; Special Session in Probability, Joint Meeting of the American and the Mexican Mathematical Societies, Mexico, 2005; East African Mathematics Conference and Mathematical Biology Workshop, Kenya, 2006; First Joint International Meeting of the American Mathematical Society and the Sociedad de Mathemática de Chile, Chile, 2010.
Additional Information: Director, NSF Division of Mathematical Sciences, 2006–2010; Society for Industrial and Applied Mathematics, Committee on Science Policy, 2013–present; Society for Industrial and Applied Mathematics, Committee on Committees and Appointments, 2014–2016; Chair, US National Committee for Mathematics, Board on International Scientific Organizations, National Academies of Science, 2014–2016.
Selected Publications: 1. with D. Dawson, Resolvent estimates for Fleming–Viot operators and uniqueness of solutions to related martingale problems, *J. Funct. Anal.,* **132** (1995), no. 2, 417–472. MR1347357 (97a:60105); 2. Remarks on scaling a model of Witten–Sander type, *J. Statist. Phys.,* **67** (1992), no. 5-6, 1117–1150. MR1170086 (93h:82064); 3. with A. Etheridge, A note on superprocesses, *Probab. Theor. and Relat. Fields,* **89** (1991), no. 2, 141–147. MR1110534 (92h:60080); 4. with J. Goodman, A. Greenberg and N. Madras, Stability of binary exponential backoff, *J. Assoc. Comput. Mach.,* **35** (1988), no. 3, 579–602. MR0963162 (90i:68020); 5. with P. Hsu, The limiting angle of certain Riemannian Brownian motions, *Comm. Pure Appl. Math.,* **38** (1985), no. 6, 755–768. MR0812346 (87e:58213).
Statement by Candidate: The Board of Trustees is charged to oversee the Society's business affairs and fiscal policy and therefore to ensure the long-term fiscal health and sustainability of the AMS. I am honored to be nominated to this crucially important body and I believe my administrative experience as a dean and as a former division director at the National Science Foundation will be valuable in the Board's deliberations.

Judy L. Walker
Aaron Douglas Professor of Mathematics, University of Nebraska–Lincoln.
PhD: University of Illinois at Urbana–Champaign, 1996.
AMS Offices: Member at Large of the Council, 2006–2009.
AMS Committees: Arnold Ross Lecture Series Committee, 2001–2004; Committee on the Morgan Prize for Outstanding Research in Mathematics by an Undergraduate Student, 2005–2008; ICM06 Travel Grant Selection Committee, 2005; Committee on Science Policy, 2006–2009; Centennial Fellowship Committee, 2010–2012; Programs that Make a Difference Committee, 2013–2016; Department Chairs Workshop Co-Leader, 2014–2016; Committee on Women in Mathematics, 2014–2016.
Selected Addresses: Undergraduate Program Lectures, IAS/PCMI Mentoring Program, Princeton, NJ, 1999; Plenary Lecture, Fall Central Sectional Meeting, Lincoln, NE, 2005; AMS-MAA Invited Address, MathFest, Hartford, CT, 2013; Plenary Lecture, SIAM Conference on Applied Algebraic Geometry, Daejeon, South Korea, 2015; MAA Distinguished Lecture, Washington, DC, 2015.
Additional Information: AMS member since 1990; member of AWM, MAA, SIAM; MAA Project NExT Fellow, 1996–1997; Deborah and Franklin Tepper Haimo Award (MAA), 2006; MAA George Pólya Lecturer, 2009–2011; AMS Fellow 2012; Louise Hay Award (AWM), 2016; Co-founder, All Girls/All Math Program; Co-founder, Nebraska Conference for Undergraduate Women in Mathematics; Organizer of 13 research conferences, including workshops at Dagstuhl and IPAM, and seven AMS Special Sessions; eight PhD students; Chair, MSRI Committee of Academic Sponsors, 2014–; Member, MSRI Board of Trustees, 2014–; Member, TPSE Mathematics Advisory Group, 2016–; numerous AWM and MAA committees.
Selected Publications: 1. Algebraic geometric codes over rings, *J. Pure Appl. Algebra,* **144** (1999), no. 1, 91–110. **MR1723194 (2001k:94075);** 2. with J. Voloch, Euclidean weights of codes from elliptic curves over rings, *Trans. Amer. Math. Soc.,* **352** (2000), no. 11, 5063–5076. **MR1778505 (2001i:94083);** 3. with A. Silverberg and J. Staddon, Applications of list decoding to tracing traitors, *IEEE Trans. Inform. Theory,* **49** (2003), no. 5, 1312–1318. **MR1984829 (2004f:94075);** 4. with R. Koetter, W.-C. Li, and P. Vontobel, Characterizations of pseudo-codewords of (low-density) parity-check codes, *Adv. Math.,* **213** (2007), no. 1, 205–229. **MR2331243 (2008g:94022);** 5. with C. Curto, V. Itskov, K. Morrison, and Z. Roth, Combinatorial neural codes from a mathematical coding theory perspective, *Neural Comput.,* **25** (2013), no. 7, 1891–1925. **MR3087681.**
Statement by Candidate: Since becoming an AMS member in 1990 as a first-year graduate student, I have developed tremendous respect for the role the Society plays in the mathematics profession. I have been honored to see some of the inner workings of the Society as a Member at Large of the Council and as a member of various AMS committees. Today's political climate brings uncertainty at all levels, including to individuals, to academic institutions, and to professional societies. The role that the AMS plays in supporting and advocating for mathematics and mathematicians is more important today than ever before. We must broaden our constituency, both in terms of broadening participation in the mathematics profession and in terms of increasing the membership of the AMS, especially among those new to the profession and among members of underrepresented groups. The primary role of the Board of Trustees is to conduct the business affairs of the AMS. If elected, I look forward to working with my fellow Trustees to secure the long-term financial health of our Society so that it can continue to provide essential support to mathematicians and mathematics.

Member at Large

Erika T. Camacho
Associate Professor, Arizona State University.
PhD: Cornell University, 2003.
AMS Committees: AMS-MAA MathFest Joint Lecture Committee, 2015–2016 (Chair, 2016); AMS Young Scholars Awards Committee, 2016–2019.
Selected Addresses: Plenary Speaker, MAA MathFest, Portland, OR, 2014; Keynote Address, The Dorothy Wrinch Lecture in Biomathematics, Women in Math in New England (WIMIN) Conference, Smith College, 2014; Keynote Address, Infinite Possibilities Conference, Oregon State University, 2015; Keynote Address, AAC&U STEM Conference, Seattle, WA, 2015; Keynote Address, Annual Conference of the Great Lakes Section of SIAM, Grand Rapids, MI, 2015.
Additional Information: The Institute for Advanced Study/Park City Math Institute (PCMI) Diversity Committee, 2007–2017; AWM Nominating Committee, 2017; SIAM Diversity Committee, 2008–2011; National Hispanic Women's Corporation Latina Leadership Award, 2011; Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) Distinguished Undergraduate Institution Mentor Award, 2012; National Institute for Mathematical and Biological Synthesis (NIMBioS) Advisory Board, 2012–2015; Dr. Martin Luther King Jr. Visiting Assistant Professor, Department of Mathematics, MIT, 2013–2014; Associate Editor, SIAM Undergraduate Research Online (SIURO), 2014–present; SACNAS Board of Directors, 2016–present; Associate Editor, *Bulletin of Mathematical Biology,* 2016–present.
Selected Publications: 1. with S. Wirkus, Tracing the progression of retinitis pigmentosa via photoreceptor interactions, *J. Theoret. Biol.,* **317** (2013), 105–118; 2. with K. Dahlquist, B. Fitzpatrick, S. Entzminger and N. Wanner, Parameter estimation for gene regulatory networks from microarray data: cold shock response in Saccharomyces

cerevisiae, *Bull. Math. Biol.,* **77** (2015), no. 8, 1457–1492. **MR3421968;** 3. with A. Radulescu and S. Wirkus, Bifurcation analysis of a photoreceptor interaction model for retinitis pigmentosa, *Commun. Nonlinear Sci. Numer. Simul.,* **38** (2016), 267–276. **MR3480473;** 4. with T. Leveillard, J.-A. Sahel and S. Wirkus, Mathematical model of the role of RdCVF in the coexistence of rods and cones in a healthy eye, *Bull. Math. Biol.,* **78** (2016), no. 7, 1394–1409. **MR3539546;** 5. with C. Punzo and S. Wirkus, Quantifying the metabolic contribution to photoreceptor death in retinitis pigmentosa via a mathematical model, *J. Theoret. Biol.,* **408** (2016), 75–87.

Statement by Candidate: I am humbled and honored to have been nominated to run for the position of Member at Large of the AMS Council. In recent months, science, a quality education for all, and appreciation of diversity has been under fire. It is only through education and tapping into the resources that our country currently possesses that we can hope to ensure our country proceeds down the best possible path. AMS, as a premier organization that embraces and promotes both excellence in science and in education, will be key in ensuring the scientific vitality and growth of our country. As a Member at Large, I will bring a wealth of experience in this matter, and I will continue to strive to increase the diversity and opportunities available to all, with our Society standing as an example and a leader of such efforts within STEM.

John Etnyre
Professor, Georgia Institute of Technology.
PhD: University of Texas, Austin, 1996.
AMS Committees: Southeastern Section Program Committee, 2009–2011 (Chair, 2010–2011).
Selected Addresses: Invited Address, AMS Sectional Meeting, Courant Institute, 2003; Graduate Course Lecturer, Park City Mathematics Institute, 2006; 30th William J. Spencer Lecture, Kansas State University, 2008; Speaker, Perspectives in Analysis, Geometry and Topology, Stockholm University, Sweden, 2008; Principle Speaker, 41st Annual Spring Lecture Series, University of Arkansas, 2016.

Additional Information: Co-organizer, Semester-long program, AIM, Low Dimensional Contact Geometry, 2000; Managing Editor, *Algebraic and Geometric Topology,* 2007–present; Co-organizer, MSRI Yearlong program, Contact and Symplectic Geometry and Topology, 2009–2010; Fellow, AMS, 2012; Simons Fellows, 2015–2016.

Selected Publications: 1. with K. Honda, Cabling and transverse simplicity, *Ann. of Math.* (2) **162** (2005), no. 3, 1305–1333. **MR2179731 (2006j:57051);** 2. with R. Komendarczyk and P. Massot, Tightness in contact metric 3-manifolds, *Invent. Math.,* **188** (2012), no. 3, 621–657. **MR2917179;** 3. with T. Ekholm, L. Ng and M. G. Sullivan, Knot contact homology, *Geom. Topol.,* **17** (2013), no. 2, 975–1112. **MR3070519;** 4. with J. Baldwin, Admissible

transverse surgery does not preserve tightness, *Math. Ann.,* **357** (2013), no. 2, 441–468. **MR3096514;** 5. with D. Shea Vela-Vick and R. Zarev, Sutured Floer homology and invariants of Legendrian and transverse knots, to appear, *Geom. Topol.*

Statement by Candidate: The AMS plays a central role in charting the future of mathematical research and education. Its wide-ranging activities have been quite influential in my own career, and I am excited about the prospect of helping to guide the AMS in the future as a Member at Large of the AMS Council. A few key challenges for the mathematical community include: communicating to the public the beauty of mathematics and the fundamental place of mathematics in the modern world; advocating for appropriate resources for research and innovation in teaching; diversifying, in a broad sense, the mathematical community; and improving the teaching of mathematics at all levels by exploring new methods, especially in regards to the use of technology and interactions between people at various places in the educational process. If elected, I look forward to engaging the mathematical community on these issues and others.

Reinhard Laubenbacher
Director, Center for Quantitative Medicine, University of Connecticut School of Medicine, and Professor of Computational Biology, Jackson Laboratory for Genomic Medicine.
PhD: Northwestern University, 1985.
AMS Committees: Liaison Committee with AAAS, 2017.
Selected Addresses: Plenary Address, International Symposium on Symbolic and Algebraic Computation (ISSAC),Philadelphia, 2003; Invited Talk, IHES, Paris, 2008; Plenary Address, 15th International Conference, DNA Computing and Molecular Programming, Fayetteville, AR, 2009; Invited AMS Address, Raleigh, NC, 2009; Plenary Address, 17th International Conference, Conferences on Applications of Computer Algebra (ACA), Houston, TX, 2011.

Additional Information: Co-organizer and co-principal lecturer, MSRI Graduate Summer Workshop, Mathematical Methods in Computational Biology, 2006; Organizer, AMS Short Course, Mathematical Methods in Computational Biology, AMS-MAA-SIAM Joint Meetings, San Antonio, 2006; Program Leader, Program on Algebraic Methods in Systems Biology and Statistics, Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC, 2008–2009; VP for Science Policy, SIAM, 2009–2013; Expert Witness, Congressional Hearing on 21st Century Biology, Subcommittee on Research and Education of the House Committee on Science and Technology, 2010; Member, Scientific Advisory Committee, Mathematical Biosciences Institute, Ohio State University, 2011–2013; Fellow, AMS, 2012; Fellow, AAAS, 2015; Co-editor in chief,

Bulletin of Mathematical Biology; Member, Editorial Board, *J. Algebra, J. Symb. Comp., BMC Syst. Biol.*

Selected Publications: 1. with M. Kolster, On higher class groups of orders, *Math. Z.,* **228** (1998), no. 2, 229–246. **MR1630559 (99i:19002);** 2. with D. Pengelley, Mathematical expeditions: Chronicles by the explorers, Undergraduate Texts in Mathematics. Readings in Mathematics, *Springer-Verlag,* New York, 1999. **MR1662147 (99i:01005);** 3. with E. Babson, H. Barcelo and M. de Longueville, Homotopy theory of graphs, *J. Algebraic Combin.,* **24** (2006), no. 1, 31–44. **MR2245779 (2007d:05156);** 4. with B. Sturmfels, Computer algebra in systems biology, *Amer. Math. Monthly,* **116** (2009), no. 10, 882–891. **MR2589218 (2011d:92004);** 5. with G. An, B. G. Fitzpatrick, S. Christley, P. Federico, A. Kanarek, R. Miller Neilan, M. Oremland, R. Salinas, Lenhart, S.; Optimization and Control of Agent-Based Models in Biology: A Perspective. *Bull. Math. Biol.* **79** (2017), no. 1, 63–87. **MR3591422.**

Statement by Candidate: At no time in history have the mathematical sciences occupied such a central role in society, leading to ever-growing professional opportunities for mathematicians. The AMS plays a very important role in highlighting the contributions of the mathematics community. It helps assure that we have the resources and the mechanisms in place to continue the basic and applied research that has served society so well in the past, and to appropriately train the next generations of researchers, educators, and professionals from a wide range of diverse backgrounds. If elected as a Member at Large of the AMS Council, I will contribute my experience in basic and applied research to help the Society meet these challenges. Important areas of focus for me include undergraduate and graduate education, research funding, and outreach to other STEM communities and to the general public.

Victor Reiner
Professor, University of Minnesota.
PhD: MIT, 1990.
AMS Committees: AMS Central Section Committee 2013–2015; Robbins Prize Committee, 2015–2018.
Selected Addresses: Plenary address, JMM, New Orleans, 2007; Plenary talk series, Séminaire Lotharingien de Combinatoire, Germany, 2009; Max and Rose Lorie Lecture Series, George Mason University, 2010; Plenary address, Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM), Newfoundland, 2013; Aisenstadt Chair Lecture Series, CRM, Université de Montréal, 2017.
Additional Information: NSF Postdoc Fellow, 1992–1995; Sloan Fellow, 1996–1998, University of Minnesota Distinguished McKnight Professor, 2003; Fellow, AMS, 2012.
Selected Publications: 1. Non-crossing partitions for classical reflection groups, *Discrete Math.,* **177** (1997), no. 1–3, 195–222. **MR1483446 (99f:06005);** 2. with J. Eagon, Resolutions of Stanley-Reisner rings and Alexander du-

ality, *J. Pure Appl. Algebra,* **130** (1998), no. 3, 265–275. **MR1633767 (99h:13017);** 3. with D. Stanton and D. White, The cyclic sieving phenomenon, *J. Comb. Theory A,* **108** (2004), no. 1, 17–50. **MR2087303 (2005g:05014);** 4. with A. Broer, L. Smith and P. Webb, Extending the coinvariant theorems of Chevalley, Shephard-Todd, Mitchell, and Springer, *Proc. Lond. Math. Soc.* (3) **103** (2011), no. 5, 747–785. **MR2852288 (2012k:13017);** 5. with D. Armstrong and B. Rhoades, Parking spaces, *Adv. Math.,* **269** (2015), 647–706. **MR3281144.**

Statement by Candidate: I am honored to be nominated for this position. The AMS serves an important role in shaping the future of mathematics, and I see at least two places where it could play a larger role. One is in facilitating the creation of top-quality journals owned and operated by mathematicians, not commercial publishers. The other is in exploring whether it is feasible (and desirable) to use stable matching algorithms in various math job markets, such as summer math REU positions, or even math postdoc positions.

Brooke Shipley
Professor and Head, Department of Mathematics, Statistics, and Computer Science, University of Illinois at Chicago.
PhD: Massachusetts Institute of Technology, 1995.
AMS Committees: AMS Committee on Academic Freedom, Tenure, and Employment Security, 2003–2006; AMS Joint Summer Research Conferences Committee, 2004–2007; Editorial board, *Proceedings of the American Mathematical Society,* 2009–2013; AMS Simons Travel Grant Review Panel, 2013–2016.
Selected Addresses: Invited Address, AMS Sectional Meeting, Boulder, CO, 2003; Wolfson Lecture Series, Manchester, England, 2006; Lecture Series, Workshop on Algebraic Topology, MSRI, 2013; Plenary speaker, Nebraska Conference for Undergraduate Women in Mathematics, Lincoln, NE, 2017; Lecture series, Young Topologists Meeting, Stockholm, Sweden, 2017.
Additional Information: NSF Postdoctoral Research Fellow, 1995; NSF Career Award, 2002; Sloan Research Fellow, 2002; AWM Noether Lecture Selection Committee, 2009–2012; NSF ADVANCE co-PI, UIC, Women in Science and Engineering System Transformation (WISEST), 2009–2012; Interim Director, WISEST, 2012–2013; AWM Committee on Committees, 2013–2016; ELATE Fellow, Drexel University, 2014–2015; AMS Fellow, 2015; Executive Advisory Board, Department of Education HSI-STEM program, UIC Latin@s Gaining Access to Networks for Advancement in Science (L@S GANAS), 2017.
Selected Publications: 1. with M. Hovey and J. Smith, Symmetric spectra, *J. Amer. Math. Soc.,* **13** (2000), no. 1, 149–208. **MR1695653 (2000h:55016);** 2. with D. Dugger, K-theory and derived equivalences, *Duke Math. J.,* **124** (2004), no. 3, 587–617. **MR2085176 (2005e:19005);**

3. $H\mathbb{Z}$-algebra spectra are differential graded algebras, *Amer. J. Math.,* **129** (2007), no. 2, 351–379. **MR2306038 (2008b:55015);** 4. with K. Hess, Waldhausen K-theory of spaces via comodules, *Adv. Math.,* **290** (2016), 1079–1137. **MR3451948;** 5. with K. Hess, M. Kedziorek, and E. Riehl, A necessary and sufficient condition for induced model categories, *J. Topol.,* **10** (2017), no. 2, 324–369.

Statement by Candidate: The AMS provides a key leadership role in addressing opportunities and challenges facing our profession. Crucial challenges include the decreasing support for fundamental research and tenure-track faculty, and the associated difficult academic job market. Significant opportunities include promoting evidence-based curricular and pedagogical practices, welcoming and developing mathematical talent from diverse populations, and increasing ties among mathematicians in academia with those in industry and related fields. If elected, I would welcome the opportunity to bring to the AMS Council my experience working on these and other issues as head of a department that encompasses pure and applied mathematics, statistics, mathematical computer science, and mathematical education at one of the most diverse research universities in the country.

Gigliola Staffilani
Abby Rockefeller Mauzé Professor of Mathematics, MIT.
PhD: University of Chicago, 1995.
AMS Committees: Committee for National Meetings, 2009–2011; Editorial Board Member of the Graduate Studies in Mathematics, 2010–present.
Selected Addresses: Invited Address, AMS Regional Meeting, Irvine, 2001; Invited Address, British Mathematics Colloquium and British Applied Mathematical Colloquium, Edinburgh, 2010; Invited Address, SIAM Annual Meeting, Pittsburgh, 2010; Current Event Bulletin Speaker, Boston, 2012; Invited AMS-EMS-SPM Address, Porto, Portugal, 2015; Invited AMS Address, JMM, Atlanta, 2017.

Additional Information: The Harold M. Bacon Memorial Teaching Award, Stanford University, 1997; Frederick Emmons Terman Engineering Scholastic Award, Stanford University, 1998; Alfred P. Sloan Research Fellowship, 2000; Elizabeth S. and Richard M. Cashin Fellow of the Radcliffe Institute for Advanced Study, Harvard University, 2009–2010; Member and co-chair, MSRI Scientific Advisory Committee (SAC), 2011–2016; AMS Fellow, 2013; Member, Massachusetts Academy of Sciences, 2013; Member, American Academy of Arts and Sciences, 2014; Member, Scientific Research Board of AIM, 2016–2019. MIT Mathematics Department positions: Member, Pure Mathematics Committee, 2003–present; Graduate Co-chair, 2006–2012; Associate Head, 2013–2015; Chair, Diversity Advisory Committee, 2016–present. Current Non-AMS Editorial Boards: *Bollettino dell'Unione Matematica Italiana (BUMI), IJM, Selecta Mathematica, SIAM Journal on Mathematical Analysis (SIMA),* "Stochastics and Partial Differential Equations: Analysis and Computations. Teaching Initiatives": Co-designer, online single variable calculus class offered on MITx, 2015–2016.

Selected Publications: 1. with V. Sohinger, Randomization and the Gross–Pitaevskii hierarchy, *Arch. Ration. Mech. Anal.,* **218** (2015), no. 1, 417–485. **MR3360742;** 2. with A. Nahmod, T. Oh and L. Rey-Bellet, Invariant weighted Wiener measures and almost sure global well-posedness for the periodic derivative NLS, *J. Eur. Math. Soc. (JEMS),* **14** (2012), no. 4, 1275–1330. **MR2928851;** 3. with K. Kirkpatrick and B. Schlein, Derivation of the two-dimensional nonlinear Schrödinger equation from many body quantum dynamics, *Amer. J. Math.,* **133** (2011), no. 1, 91–130. **MR2752936 (2012f:81079);** 4. with J. Colliander, M. Keel, H. Takaoka, and T. Tao, Transfer of energy to high frequencies in the cubic defocusing nonlinear Schrödinger equation, *Invent. Math.,* **181** (2010), no. 1, 39–113. **MR2651381 (2011f:35320);** 5. with J. Colliander, M. Keel, H. Takaoka and T. Tao, Global well-posedness and scattering for the energy-critical nonlinear Schrödinger equation in $\mathbb{R}^3$, *Ann. of Math.* (2) **167** (2008), no. 3, 767–865. **MR2415387 (2009f:35315).**

Statement by Candidate: I am honored to have been nominated to run for Member at Large of the Council of the American Mathematical Society. As a teacher, a researcher, a mentor, and an advisor I learned that mathematical ability is independent of ethnicity, gender, age, sexual preference, political creed, or socio-economic background. Mathematical ability can be found anywhere, and mathematical thinking benefits everyone. I value greatly two concepts that I believe need to be embraced by the mathematical community now, more than ever: Diversity (in its most general sense) and Outreach. The image of the white male mathematician secluded in his ivory tower is outdated and restrictive. Diversity, collegiality, and instantaneous communication have changed, for the better, the way we do mathematics. In going forward in this positive evolution we have to continue to be more inclusive, while maintaining the highest standards of our discipline, and we have to communicate to the rest of the world that the old stereotypes are no longer valid. If elected as a Member at Large of the Council of the AMS I will bring with me this message, and I hope that my work will not just benefit our mathematical community but that it will help make more popular the value of analytic thinking and evidence-based arguments.
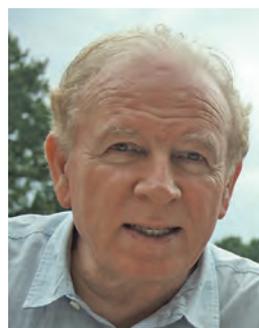
Eitan Tadmor
Distinguished University Professor, University of Maryland, College Park.
PhD: Tel Aviv University, 1979.
AMS Committees: Chair, Editorial Board, AMS book series Proceedings of Symposia in Applied Mathematics, 2005–2011; AMS representative, US National Committee on Theoretical and

Applied Mechanics (USNC/TAM), 2012–2016; AMS Program Committee for National Meetings, 2015–2018.

Selected Addresses: ICM Invited Lecture, Beijing, 2002; Plenary Speaker, Analysis of PDEs, SIAM, Boston, 2006; AMS Invited Address, Ames IA, 2013; Invited Address, JMM, Baltimore, 2014; Keynote Speaker, Leçons Jacques-Louis Lions, Paris, 2016.

Additional Information: Chair, Department of Applied Mathematics, Tel Aviv University, 1991–1993; Founding Co-director, Institute for Pure and Applied Mathematics (IPAM), UCLA, 2001–2002; Scientific Advisory Board, European HYKE Network, 2002–2005; Board of Governors, IMA, Minneapolis, 2002–2007; Co-chair, International meetings on hyperbolic problems, CalTech 2002, University of Maryland 2008; Director, Center for Scientific Computation and Mathematical Modeling (CSCAMM), University of Maryland, 2002–2016; Core panel member, section on Numerical Analysis, ICM, Madrid, 2006; AMS Fellow, 2012; Director, NSF Research Network, Ki-Net, 2012–2018; SIAM-ETHZ Peter Henrici Prize, 2015; Senior Fellow, ETH-Institute for Theoretical Studies, Zurich, 2016–2017. Editorial Boards: *SIAM J. Math. Analysis,* 2004–present, *J. FoCM,* 2004–present, *Acta Numerica,* 2008–present;

Selected Publications: 1. with P.-L. Lions and B. Perthame, A kinetic formulation of multidimensional scalar conservation laws and related equations, *J. Amer. Math. Soc.,* **7** (1994), no. 1, 169–191. **MR1201239 (94d:35100);** 2. Entropy stability theory for difference approximations of nonlinear conservation laws and related time dependent problems, *Acta Numer.,* **12** (2003), 451–512. **MR2249160 (2007g:35150);** 3. with T. Tao, Velocity averaging, kinetic formulations, and regularizing effects in quasi-linear PDEs, *Comm. Pure Appl. Math.,* **60** (2007), no. 10, 1488–1521. **MR2342955 (2008g:35011);** 4. with S. Motsch, A new model for self-organized dynamics and its flocking behavior, *J. Stat. Phys.,* **144** (2011), no. 5, 923–947. **MR2836613 (2012j:92140);** 5. with U. Fjordholm and S. Mishra, ENO reconstruction and ENO interpolation are stable, *Found. Comput. Math.,* **13** (2013), no. 2, 139–159. **MR3032678.**

Statement by Candidate: The AMS platform brings together those with keen interests in reconnecting existing knowledge with newly created mathematics. At the same time, as the premier professional association of mathematicians in the US, the AMS is an effective ambassador of our profession. Among its main objectives, the AMS aims at advancing mathematical research, enabling collaborations, fostering education of the next generation of mathematicians, amplifying the visibility of the fundamental role played by mathematics, and providing strong advocacy for its continued support. My experience, as a founding Co-director of IPAM at UCLA and as CSCAMM Director at the University of Maryland, has shown me the indispensable role of such platforms for promoting our profession, spoken in the one language of Mathematics with its many dialects. It will be an honor to serve as Member at Large of the AMS Council and take an active part in promoting these objectives.

Chad M. Topaz
Professor of Mathematics, Williams College.
PhD: Northwestern University, 2002.

AMS Committees: Committee on Human Rights of Mathematicians, 2016–2018; Committee on Women in Mathematics, 2017–2020 (Chair, 2017–2018).

Photo courtesy of Chad M. Topaz

Selected Addresses: Invited Address, National Academy of Sciences Kavli Frontiers of Science Chinese-American Symposium, 2012; Invited Talk, Joint US-Japan Conference on Localized Patterns in Dissipative Systems, Institute for Mathematics and its Applications, 2013; Invited Talk, Coherent Structures in PDEs and their Applications, Banff International Research Station Oaxaca, 2016; Invited Talk, Contextualizing Mathematics in Undergraduate Courses, JMM, 2017; Public Lecture, Canadian Applied and Industrial Mathematics Society Annual Meeting, 2017.

Additional Information: Selected awards: Robert H. Sorgenfrey Distinguished Teaching Award, Dept. of Mathematics, UCLA, 2004; New Directions Research Professor, Institute for Mathematics and its Applications, 2009–2010; Jack and Marty Rossmann Excellence in Teaching Award, Macalester College, 2010; Kavli Frontiers of Science Fellow, 2012; Outstanding Paper Award, Society for Industrial and Applied Mathematics, 2013. Editorial positions: Associate Editor, SIAM Review, 2011–2016; Associate Editor, *SIAM Undergraduate Research Online,* 2015–2017. Conference/session organization: Co-organizer of 16 sessions, workshops, and meetings including the Institute for Pure and Applied Mathematics, SIAM Conference on Applications of Dynamical Systems, SIAM Annual Meeting, Mathematical Biosciences Institute, International Congress on Industrial and Applied Mathematics, AMS Sectional Meetings, and the National Academy of Sciences.

Selected Publications: 1. with A. Bertozzi, Swarming patterns in a two-dimensional kinematic model for biological groups, *SIAM J. Appl. Math.,* **65** (2004), no. 1, 152–174. **MR2111591 (2005h:92031);** 2. with A. Bertozzi and M. Lewis, A nonlocal continuum model for biological aggregation, *Bull. Math. Biol.,* **68** (2006), no. 7, 1601–1623. **MR2257718 (2007e:92077);** 3. with A. Bernoff, Nonlocal aggregation models: a primer of swarm equilibria, *SIAM Rev.,* **55** (2013), no. 4, 709–747. **MR3124884;** 4. with L. Ziegelmeier and T. Halverson, Topological data analysis of biological aggregation models, PLOS One 10 (2015), no.5, e0126383; 5. with S. Sen, Gender representation on journal editorial boards in the mathematical sciences, PLOS One 11 (2016), no. 8, e0161357.

Statement by Candidate: I am honored to be nominated for Member at Large of the Council of the AMS. The mission of the AMS includes promoting research, strengthening education, and fostering connections to other disciplines. As a research-active applied mathematician at a liberal arts college, my professional life is centered around these same goals. If elected, I will enthusiastically

bring my experience to the Council in order to support: vibrant conferences, journals, and Mathematical Research Communities; teaching initiatives built on modern understanding of peer-reviewed scientific literature on human learning and education policy; and joint initiatives that build bridges between mathematics and other fields. Finally, I will work unceasingly for a diverse and inclusive mathematical community. In order for our field to be its best, we must tear down barriers to participation at every level of the profession.

Anthony Várilly-Alvarado
Associate Professor, Rice University.
PhD: University of California, Berkeley, 2009.
Selected Addresses: Invited Address, Western Algebraic Geometry Symposium (WAGS), Palo Alto, CA; 2010; Colloquium Lecture, Colóquio de Geometria e Aritmética, Insituto Nacional de Matemática Pura e Aplicada (IMPA), Rio de Janeiro, 2013; Invited Lecture Series, Arizona Winter School on Arithmetic of higher-dimensional varieties, Tucson, AZ, 2015; Invited Speaker, AMS Summer Institute in Algebraic Geometry, Salt Lake City, UT, 2015; Invited Lecture Series, Positivity in Arithmetic and Geometry, Université Paris-Sud, Orsay, 2017.
Additional Information: NSF CAREER Award, 2014; Founder and Director, Patterns, Math and You (two-week summer outreach program for middle school students in the Houston Independent School District), 2015–present; Distinguished Visitor, Pacific Institute for the Mathematical Sciences (PIMS), 2016; George R. Brown Award for Superior Teaching, Rice University, 2016 (university-wide award); MSRI Human Resources Advisory Committee, 2017–2020.
Selected Publications: 1. with D. Testa and M. Velasco, Big rational surfaces, *Math. Ann.,* **351** (2011), no. 1, 95–107. **MR2824848;** 2. with B. Hassett and P. Varilly, Transcendental obstructions to weak approximation on general K3 surfaces, *Adv. Math.,* **228** (2011), no. 3, 1377–1404. **MR2824558 (2012i:14025);** 3. with B. Viray, Arithmetic of del Pezzo surfaces of degree 4 and vertical Brauer groups, *Adv. Math.,* **255** (2014), 153–181. **MR3167480;** 4. with D. Abramovich, Level structures on abelian varieties and Vojta's conjecture, *Compos. Math.,* **153** (2017), 373–394; 5. with S. Tanimoto, Kodaira dimension of moduli of special cubic fourfolds, *J. Reine Angew. Math.,* to appear. DOI: 10.1515/crelle-2016-0053.
Statement by Candidate: The AMS represents a large community of mathematicians to the public at large; it is important that its actions and statements reflect the values of its members. I would like to see the AMS continue to expand its efforts to bring together mathematicians for research and collaborative engagements, to encourage inclusivity and diversity at all levels of mathematical inquiry, and to engage with the general public and with

government agencies (an especially important activity in the current difficult political and funding climate). I would also like to see the AMS strengthen its ties to other mathematical societies around the world.

I view my relative youth as a candidate and my Latin American upbringing as strengths that will help me represent a younger, more diverse generation of mathematicians at the AMS Council. I am honored to be nominated for this position and thus have the opportunity to further and to help shape the mission of the AMS.

Guofang Wei
Professor of Mathematics, University of California, Santa Barbara.
PhD: SUNY Stony Brook, 1989.
AMS Committees: Editor, P*roceedings of the American Mathematical Society,* 2014–present.
Selected Addresses: Invited Lectures, 11th and 24th Geometry Festival, 1996, 2009; Invited Lectures, 16th and 23rd Southern California Geometric Analysis Seminar, 2009, 2016; Plenary Lecture, AMS Fall Sectional Meeting, University of Arizona, 2012.
Additional Information: Fellow of the AMS; Alfred P. Sloan Doctoral Dissertation Fellow, 1988–1989; Eisenbud professor, MSRI, Spring 2016; Changjiang Scholar, Ministry of Education, China and Li Ka Shing Foundation, 2015–2018.
Selected Publications: 1. Examples of complete manifolds of positive Ricci curvature with nilpotent isometry groups, *Bull. Amer. Math. Soc.* (N.S.) **19** (1988), no. 1, 311–313. **MR0940494 (89h:53101);** 2. with P. Petersen, Relative volume comparison with integral curvature bounds, *Geom. Funct. Anal.,* **7** (1997), no. 6, 1031–1045. **MR1487753 (99c:53023);** 3. with C. Sormani, Hausdorff convergence and universal covers, *Trans. Amer. Math. Soc.,* **353** (2001), no. 9, 3585–3602. **MR1837249 (2002e:53057);** 4. with X. Dai and X. Wang, On the stability of Riemannian manifold with parallel spinors, *Invent. Math.,* **161** (2005), no. 1, 151–176. **MR2178660 (2006h:53041);** 5. with W. Wylie, Comparison geometry for the Bakry-Emery Ricci tensor, *J. Differential Geom.,* **83** (2009), no. 2, 377–405. **MR2577473 (2011a:53064).**
Statement by Candidate: I am honored to be nominated for election as a Member at Large of the AMS Council. AMS plays a critical role in advocacy for the mathematical community, stimulating international and disciplinary interactions, and promoting women and under-represented minority participation. If elected, I will contribute my efforts and experience toward serving these goals, and toward encouraging, recognizing and, celebrating outstanding contributions to the mathematical sciences.

Nominating Committee

Benjamin Braun
Associate Professor of Mathematics, Wimberly and Betty Royster Research Professor, University of Kentucky.
PhD: Washington University, 2007.
AMS Committees: Committee on Education, 2014–2017.
Selected Addresses: Ulam Centennial Conference, University of Florida, 2009; Workshop on Convex Polytopes, Kyoto, Japan, 2012; Workshop on Geometric Combinatorics, Institute for Mathematics and its Applications, 2014; Midwest Combinatorics Conference, University of Minnesota, 2015; AMS Special Session, JMM, 2016.

Additional Information: Co-director, Central Kentucky Mathematics Circles, 2010–present; Member, Steering Committee, MAA *Instructional Practices Guide,* 2016–present; Editor-in-Chief, AMS blog *On Teaching and Learning Mathematics,* 2014–present; Editorial Board member, *Notices of the AMS,* 2016–present; Chair of writing team, CBMS Statement on Active Learning, 2016; Research Member, MSRI, Fall 2017.

Selected Publications: 1. Norm bounds for Ehrhart polynomial roots, *Discrete Comput. Geom.,* **39** (2008), no. 1–3, 191–193. **MR2383758 (2009d:52019);** 2. with J. Browder and S. Klee, Cellular resolutions of ideals defined by nondegenerate simplicial homomorphisms, *Israel J. Math.,* **196** (2013), no. 1, 321–344. **MR3096594;** 3. with M. Beck, Euler–Mahonian statistics via polyhedral geometry, *Adv. Math.,* **244** (2013), 925–954. **MR3077893;** 4. with M. Beck, M. Köppe, C. Savage, and Z. Zafeirakopoulos, **s**-Lecture hall partitions, self-reciprocal polynomials, and Gorenstein cones, *Ramanujan J.,* **36** (2015), no. 1–2, 123–147. **MR3296715;** 5. Unimodality problems in Ehrhart theory, Recent trends in combinatorics, 687–711, *IMA Vol. Math. Appl.,* **159,** Springer (2016). **MR3526428.**

Statement by Candidate: I am honored to be considered for election to the Nominating Committee. I look forward to assisting with the important task of identifying candidates for leadership positions within the AMS. Through my work with the AMS Committee on Education and the Conference Board of the Mathematical Sciences, it has become clear to me that the mathematical community is strongest when we recognize and value the many different types of contributions mathematicians make to our community. I will take seriously the responsibility of the Nominating Committee to select a diverse group of candidates who represent mathematicians from a broad range of backgrounds, experiences, and institutions.

Tara S. Holm
Professor of Mathematics, Cornell University.
PhD: MIT, 2002.
AMS Offices: Council, 2011–2017; Executive Committee, 2013–2017
AMS Committees: Committee on Education, 2011–2017; Committee on Committees, 2013–2015; Committee to Review the Committee on Education, 2017–2018.

Selected Addresses: Plenary Address, AMS Eastern Sectional Meeting, New Brunswick, NJ, 2007; Martha Davenport Heard Lecture, Wellesley College, Wellesley, MA, 2011; Oliver Smithies Lecture, Oxford, UK, 2014; Kitao Lecture, Swarthmore College, Swarthmore, PA, 2014; AMS–MAA Invited Address, MathFest, Columbus, OH, 2016.

Additional Information: NSF Postdoctoral Fellow, 2002; Fellow, AMS, 2013; Simons Fellow, 2013; von Neumann Fellow, Institute for Advanced Study, 2014; Oliver Smithies Lecturer and Visiting Fellow, Balliol College, Oxford, UK, 2014; Member, Board of Governors of Transforming Post-Secondary Education in Mathematics (TPSE Math tpsemath.org/); Member, MAA and AWM; President/CEO, Pro Mathematica Arte, the non-profit corporation which runs the Budapest Semesters in Mathematics and the Budapest Semesters in Mathematics Education.

Selected Publications: 1.with Y. Karshon, The Morse–Bott-Kirwan condition is local, *Res. Math. Sci.,* **3** (2016), Paper no. 25. **MR3579296;** 2. with A. Pires, The topology of toric origami manifolds, *Math. Res. Lett.,* **20** (2013), no. 5, 885–906. **MR3207359** 3. Act globally, compute locally: group actions, fixed points, and localization, Toric topology, 179–195, *Contemp. Math.,* **460,** Amer. Math. Soc., Providence, RI, 2008. **MR2428355 (2009h:53191);** 4. with R. Goldin and A. Knutson, Orbifold cohomology of torus quotients, *Duke Math. J.,* **139** (2007), no. 1, 89–139. **MR2322677 (2008h:53144);** 5. with J-C Hausmann and V. Puppe, Conjugation spaces, *Algebr. Geom. Topol.,* **5** (2005), 923–964. **MR2171799 (2006e:55008).**

Statement by Candidate: It is an honor to be nominated to stand for election to the Nominating Committee. I deeply believe in the AMS mission of promoting mathematics research, strengthening mathematics education, and creating a supportive environment for all mathematicians. Through my work with the AMS Committee on Education and TPSE Math, I have met numerous mathematics colleagues across the nation. If elected to the Nominating Committee, I will use this network to identify a wide range of leaders who can represent the breadth and diversity of the mathematics community.

Linda Ness
Visiting Scholar, Rutgers, DIMACS.
PhD: Harvard, 1975.
AMS Committees: Member at Large of the Council, 1987–1989.
Selected Addresses: Invited talks on my research in moment maps, the Institute for Advanced Studies, approx. 1984; Industrial Problems Seminar, Institute for Mathematics and its Applications, Fast Multiscale Algorithms for Representation and Analysis of Data and Potential Applications, University of Minnesota, 2011; ICERM workshop, Mathematics of Data Analysis in Cybersecurity, Multiscale Representation of High Dimensional Data, Brown University, 2014; ICERM workshop, Mathematics in Data Science, Product Formalisms for Measures on Spaces with Binary Tree Structures-Representation, Visualization, Inference, Decision and Application, Brown University, 2015; Women's Intellectual Network Research Symposium, The Product Formula Representation for Measures on Dyadic Sets and Applications to Data, (tutorial), Brown University, 2017.
Additional Information: St. Olaf College Undergraduate, 1965–1969; National Science Foundation Fellowship, 1969–1972; Harvard Ph.D. Student, 1969–1975; Assistant Professor, University of Washington, 1975–1983; Radcliffe Bunting Institute Fellowship, 1980; Visiting Associate Professor, Mathematics, University of Pennsylvania, 1983–1984; Associate Professor, Mathematics, Carlton College, 1984–1987 (on leave 1986–1987); MCC Fellowship, University of Texas Computer Science Department, 1986–1987; Master's in Computer Science, 1987; Bellcore Applied Research (later known as Telcordia and Applied Communication Sciences), roles included Chief Research Scientist and Program Manager of the Tactical Research Technology Transition Program to the Products and Services Groups, 1987–2015; National Academies Panels at the Army Research Laboratory: Digitization and Commerce, 2012; Information Science, 2014–2015; Visiting Scholar, Rutgers DIMACS Center, 2015–2017; Computational Sciences, 2017. Advisory Board: Association for Women in Mathematics, 2013–present; Women and Mathematics Program at the Institute for Advanced Studies, 2015–present. Chair, Organizing Committee: Workshop on "Mathematics in Data Science," ICERM (the NSF Institute for Computational and Experimental Research in Mathematics), 2015 and WiSDM Workshop (Women in Science of Data and Mathematics Research Collaboration Workshop,) ICERM, 2017.
Selected Publications: 1.with G. Kempf, The length of vectors in representation spaces, *Proceedings of the Copenhagen Summer Meeting in Algebraic Geometry,* Springer Lecture Notes, **732** (1979), 233–244. **MR0555701 (81i:14032);** 2. A stratification of the null cone via the moment map, *Amer. J. Math.,* **106** (1984) no. 6, 1281–1329 (Appendix by D. Mumford). **MR0765581 (86c:14010);** 3. with E. Clarke, O. Grumberg, H. Hiraishi, S. Jha, D. Long

and K. McMillan, Verification of the Futurebus+ Cache coherence protocol, *Proceedings of the 1993 Conference on Hardware Description Languages,* (1993). Also published in *Journal of Formal Methods in System Design;* 4. with D. Bassu, R. Izmailov, A. McIntosh and D. Shallcross, Centralized multi-scale singular vector decomposition for feature construction in LIDAR image classification problems, IEEE Applied Imagery and Pattern Recognition Workshop (AIPR), 2012; 5. with D. Bassu, P. Jones and D. Shallcross, Product formalisms for measures on spaces with binary tree structures: Representation, visualization, and multiscale noise, https://arxiv.org/abs/1601.02946, (2016), submitted.
Statement by Candidate: I would welcome the opportunity to serve on the Nominating Committee of the AMS to identify a broad range of highly qualified candidates committed to the goals of the AMS: promoting mathematical research, transmission of mathematical understanding, supporting mathematical education, and advancing the status of the profession while facilitating full participation of all individuals. I followed a non-traditional career path in mathematics, moving from academic mathematics to industrial applied research and computer science and then re-engaging with mathematics as I began to focus on research in mathematics and data. The American Mathematical Society, especially the joint winter meetings, played a significant role in my re-engagement with mathematics and the mathematics community. The winter meetings gave me access to excellent talks on current mathematical research in a broad variety of fields, individual researchers, and the research community and its sub-communities –including the Association for Women in Mathematics and the NSF Centers. Recently, I have actively tried to involve mathematicians, including female mathematicians, in research on data by co-organizing two ICERM summer workshops in 2015 and 2017 on mathematics in data science. I have a great appreciation for the work of the AMS and would look forward to contributing, if elected.

Alice Silverberg
Professor, University of California, Irvine.
PhD: Princeton University, 1984.
AMS Committees: AMS Centennial Fellowship Committee, 1993–1995 (Chair, 1994–1995); AMS Policy Committee on Meetings and Conferences, 1995–1996; AMS Council, Member at Large, 1995–1998; AMS Policy Committee on Publications, 1996–1998; Editor, *Transactions of the AMS* and *Memoirs of the AMS,* 1996–2000; AMS Travel Grants Evaluation Panel, 2000; AMS Committee on Committees, 2000–2003; AMS-MAA Joint Program Committee for the National Meeting, 2005–2006, 2007–2008; AMS Program Committee for National Meetings, 2005–2008; AMS Cole Prize Committee, 2007–2008.

Selected Addresses: Invited Hour Address, AMS Fall Central Sectional meeting, 1995; Invited Hour Address, AMS Fall Eastern Sectional Meeting, 2005; MAA Invited Address, MathFest, 2009; MAA Distinguished Lecture, Washington, DC, 2010; AMS-MAA Invited Address, JMM, Atlanta, 2017.
Additional Information: AMS Fellow, 2012; AWM Newsletter Editorial Team, 2008–present; AWM Executive Committee, 2006–2010; AWM Policy and Advocacy Committee, Co-chair, 2006–2007, Chair, 2007–2010. Special session organizer: AMS Fall Central Sectional Meeting, 1995; AMS Fall Western Sectional Meeting, 2015; JMM, 2017.
Selected Publications: 1. Mordell–Weil groups of generic abelian varieties, *Invent. Math.,* **81** (1985), no. 1, 71–106. **MR0796192 (87b:11046)**; 2. with Y. Zarhin, Polarizations on abelian varieties and self-dual *l*-adic representations of inertia groups, *Compositio Math.,* **126** (2001), no. 1, 25–45. **MR1827860 (2002f:11066)**; 3. with C. Popescu and K. Rubin (eds.), *Arithmetic of L-functions,* IAS/Park City Mathematics Series, 18, AMS, Institute for Advanced Study, Princeton, NJ (2011), xiv+499 pp. **MR2882750 (2012i:11001)**; 4. with R. Greenberg, K. Rubin and M. Stoll, On elliptic curves with an isogeny of degree 7, *Amer. J. Math.,* **136** (2014), no. 1, 77–109. **MR3163354**; 5. with H. Lenstra, Lattices with symmetry, *J. Cryptol.* (2017), 1–45, doi:10.1007/s00145-016-9235-7.
Statement by Candidate: If elected to the Nominating Committee, I will encourage the committee to recommend candidates who will take to heart the AMS's mission to further the interests of mathematical research, scholarship and education, including encouraging and facilitating full participation of our community.

Douglas Ulmer

Professor of Mathematics, Georgia Institute of Technology.
PhD: Brown University, 1987.
Selected Addresses: Course of four lectures at the Arizona Winter School, 2000; International Conference on the Birch and Swinnerton-Dyer Conjecture, Princeton University, 2003; Course of five lectures at the IAS/Park City Math Institute, 2009; Course of 12 lectures at the CRM Barcelona, 2010; AMS Summer Institute on Algebraic Geometry, University of Utah, 2015.
Additional Information: Founding co-organizer of the Arizona Winter School, 1997–2006. Section editor, *Journal de Théorie des Nombres de Bordeaux,* 2014–present.
Selected Publications: 1. On universal elliptic curves over Igusa curves, *Invent. Math.,* **99** (1990), no. 2, 377–391. **MR1031906 (90m:11092)**; 2. with F. Cukierman, Curves of genus ten on K3 surfaces, *Compositio Math.,* **89** (1993), no. 1, 81–90. **MR1248892 (94m:14047)**; 3. Elliptic curves with large rank over function fields, *Ann. of Math.* (2), **155** (2002), no. 1, 295–315. **MR1888802 (2003b:11059)**; 4. Geometric non-vanishing, *Invent. Math.,* **159** (2005), no. 1, 133–186. **MR2142335 (2006d:11071)**; 5. Rational

curves on elliptic surfaces, *J. Algebraic Geom.,* **26** (2017), 357–377.
Statement by Candidate: The work of the AMS is important for all mathematicians and is deserving of our support. Much of this work is carried out through the elected committees. I am honored to be asked to stand for election to the nominating committee, and if elected I will endeavor to broaden the circle of members who are called upon to serve the AMS.

Shmuel Weinberger

Andrew MacLeish Professor of Mathematics, University of Chicago.
PhD: Courant Institute, 1982.
AMS Committees: Centennial Fellow Committee, 1997–1998; AMS-AAAS Liaison Committee, 2010–2011; Central Section Program Committee, 2009–2010; Fellows Committee, 2014, 2015 (Chair), 2016; Veblen Prize Committee (Chair), 2015–2017.
Selected Addresses: Plenary Lecture, AMS Sectional Meeting, Chicago, 1989; Invited Speaker, International Congress of Mathematicians, 1994; Zabrodsky Memorial Lecture, Hebrew University, 2001; Hardy Lectures, London Math Society, 2008; Minerva Lectures, Princeton, 2017.
Additional Information: Sloan Foundation Fellowship, 1985; Presidential Young Investigator Award, 1985; Fellow of the AMS, 2013; Fellow of the American Association for the Advancement of Science, 2013.
Selected Publications: 1. with J. Bryant, S. Ferry and W. Mio, Topology of homology manifolds, *Ann. of Math.* (2), **143** (1996), no. 3, 435–467. **MR1394965 (97b:57017)**; 2. with A. N. Dranishnikov and S. C. Ferry, Large Riemannian manifolds which are flexible, *Ann. of Math.* (2) **157** (2003), no. 3, 919–938. **MR1983785 (2004b:53058)**; 3. with E. Guentner and N. Higson, The Novikov conjecture for linear groups, *Publ. Math. Inst. Hautes Études Sci.,* **101** (2005), 243–268. **MR2217050 (2007c:19007)**; 4. with P. Niyogi and S. Smale, A topological view of unsupervised learning from noisy data, *SIAM J. Comput.,* **40** (2011), no. 3, 646–663. **MR2810909 (2012h:62015)**; 5. with A. Nabutovsky, Variational problems for Riemannian functionals and arithmetic groups, *Inst. Hautes Études Sci. Publ. Math.,* **92** (2000), 5–62 (2001). **MR1839486 (2003f:58030)**.
Statement by Candidate: The vital work done by the AMS is, of course, actually done by its membership and much of it through their representatives on committees. If elected, I will be honored by the opportunity to collaborate with my colleagues to recruit a diverse group of excellent, hardworking, and dedicated mathematicians to serve our community.
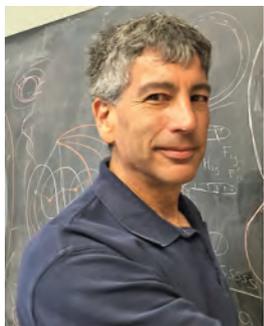
Editorial Boards Committee

Joel Hass

Professor, University of California, Davis.

PhD: UC Berkeley, 1981.

AMS Committees: Committee on Meetings and Conferences, 2005–2007 (Chair 2006–2007); Short Course Subcommittee, 2016–2019; Notices Editorial Board Committee, 2016–2019.

Selected Addresses: AMS-MAA Invited Address, Seattle MathFest, "The double bubble conjecture," 1996; Alexander Zabrodsky Memorial Lectures, Hebrew University, Jerusalem, "Recognizing the Unknot," 2006; Invited Address, AMS Western Sectional Meeting, Las Vegas, "Optimal diffeomorphisms of surfaces and applications," 2015.

Additional Information: NSF Postdoctoral Fellow, 1984–1986; Alfred P. Sloan Fellowship, 1989–1990; Fellow, American Mathematical Society, 2013–; Member, Institute for Advanced Study, Princeton, 1990–1991, 2000-2001, 2015–2016; Member, MSRI, 1984–1985, Fall 1987, 1996–1997; Visiting Professor, Hebrew University of Jerusalem, Fall 2014. Editorial Boards: *Geometriae Dedicata,* 1995–; *Notices of the AMS,* 2016–; *Geometry and Topology Monographs,* 2013–; *Journal of Applied and Computational Topology,* 2016–.

Selected Publications: 1. with M. Freedman and P. Scott, Least area incompressible surfaces in 3-manifolds, *Invent. Math.,* **71** (1983), no. 3, 609–642. **MR695910 (85e:57012);** 2. with R. Schlafly, Double bubbles minimize, *Ann. of Math.,* 2. **151** (2000), 459–515. **MR1765704 (2002d:53018);** 3. with J. Lagarias and N. Pippenger, The computational complexity of knot and link problems, *J. ACM,* **46** (1999), no. 2, 185–211. **MR1693203 (2000g:68056);** 4. with I. Agol and W. Thurston, The computational complexity of knot genus and spanning area, *Trans. Amer. Math. Soc.,* **358** (2006), no. 9, 3821–3850. **MR1511580 (2007k:68037);** 5. with A. Thompson and W. Thurston, Stabilization of Heegaard splittings, *Geom. Topol.,* **13** (2009), no. 4, 2029–2050. **MR2507114 (2010k:57044).**

Statement by Candidate: Publications play a central role in the mission and function of the AMS. If elected to the Committee on Publications, I will work to maintain high-level editorial standards for AMS journals and publications.

James Sethian

Professor of Mathematics, University of California, Berkeley.

PhD: University of California, Berkeley, 1982.

Selected Addresses: Plenary Lecture, International Congress of Industrial and Applied Mathematics, Edinburgh, 1999; I.E. Block Community Lecture Prize, SIAM Annual Meeting, Puerto Rico, 2000; Plenary Lecture, Australian Mathematical Society, 2001; Invited Lecture, International Congress of Mathematicians, Beijing, 2002; Lighthill Lecturer, British Applied Mathematics Conference, 2003; Richard von Mises Lecture, 200th Anniversary Celebration of Humboldt University, Berlin, 2010; Pollak Prize Lecture, Technion, Israel, 2011; NSF Distinguished Lecture, 2014.

Additional Information: National Science Foundation Mathematical Sciences, Post-Doctoral Fellow, 1983–1985; Alfred P. Sloan Foundation Fellow, 1986–1988; Presidential Young Investigator Award, National Science Foundation, 1987; Robert Noyce Distinguished Teaching Prize, 1995; Norbert Wiener Prize, Joint AMS-SIAM, 2004; US National Academy of Engineering, 2008; Fellow, Society for Industrial and Applied Mathematics (SIAM), (initial Class of Fellows, 2009); Einstein Fellowship, Einstein Stiftung Berlin, 2011, Berlin; ICIAM Pioneer Prize, Vancouver, 2011; Cozzarelli Prize, National Academy of Sciences, 2012; Fellow, American Mathematical Society (initial Class of Fellows, 2012); US National Academy of Sciences, 2013; Honorable Mention: 2013 International Science & Engineering Visualization Challenge; Martin Meyerson Faculty Lecture, University of California, Berkeley, 2017.

Selected Publications: 1. Curvature and the evolution of fronts, *Comm. Math. Phys.,* **101** (1985), no. 4, 487–499. **MR0815197 (87d:58032);** 2. with S. Osher, Fronts propagating with curvature-dependent speed: algorithms based on Hamilton–Jacobi formulations, *J. Comput. Phys.,* **79** (1998), no. 1, 12–49. **MR0965860 (89h:80012);** 3. *Level set methods and fast marching methods,* Cambridge University Press, 1999. **MR1700751 (2000c:65015);** 4. with R. Saye, Multiscale modelling of membrane rearrangement, drainage, and rupture in evolving foams, *Science,* **340** (2013), no. 6133, 720–724. **MR3086562;** 5. with J. Donatelli and P. Zwart, Iterative phasing for fluctuation X-ray scattering, *Proc. Natl. Acad. Sci.,* **112** (2015), no. 33, 10286–10291. **MR3395008.**

Statement by Candidate: It is a great honor to be a candidate for the AMS Editorial Boards Committee. AMS journals are a highly visible and flagship resource for the mathematics community. They inform our community of excellent research and scholarship. They promote and support the work of a wide and diverse group of authors. They uphold the standards of the profession, and they can expand upon the wide reach of mathematics. If elected, I hope to help continue these important goals and to focus on broadening the influence and voice of diverse communities on the growing mathematical landscape.

Photo courtesy of Rod Searcey

Akshay Venkatesh
Professor, Stanford University.
PhD: Princeton, 2002.
AMS Committees: Steele Prize Committee, 2012; AMS Western Section Program Committee, 2014–2016; Cole Prize Committee, 2016.
Selected Addresses: ICM, 2010; AMS Invited Address, JMM, 2011.
Additional Information: Editor of *Mathematische Annalen,* 2011–2017.

Selected Publications: 1. A note on sphere packings in high dimension, *Int. Math. Res. Not. IMRN* 2013, no. 7, 1628–1642. **MR3044452;** 2. with N. Bergeron, The asymptotic growth of torsion homology for arithmetic groups, *J. Inst. Math. Jussieu,* **12** (2013), no. 2, 391–447. **MR3028790;** 3. Sparse equidistribution problems, period bounds and subconvexity, *Ann. of Math.* (2) **172** (2010), no. 2, 989–1094. **MR2680486 (2012k:11061);** 4. with J. Ellenberg and C. Westerland, Homological stability for Hurwitz spaces and the Cohen-Lenstra conjecture over function fields, *Ann. of Math.* (2) **183** (2016), no. 3, 729–786. **MR3488737;** 5. Cohomology of arithmetic groups and periods of automorphic forms, *Jpn. J. Math.,* **12** (2017), no. 1, 1–32. **MR3619577.**

Statement by Candidate: Journals play a vital role in our community but face new challenges. As our papers grow increasingly specialized, it becomes more difficult to review them fairly and in a timely fashion. Our papers are also getting longer, but ultimately printing costs limit the number of pages a physical journal can publish. As a member of the Editorial Board Committee, I'll try to nominate editors who have a broad vision of mathematics but who will also try creative new ideas to address these issues.

Photo courtesy of Beatrice Farb

Amie Wilkinson
Professor of Mathematics, University of Chicago.
PhD: UC Berkeley, 1995.
AMS Committees: Program Committee for National Meetings, 2011–2014; Nominating Committee, 2013–2016; Central Program Committee, 2017–2020.
Selected Addresses: SIAM Conference on Applications of Dynamical Systems, Snowbird, Utah, 2005; AMS Invited Address, JMM, San Francisco, 2010; Invited speaker, Dynamical systems and ordinary differential equations session, International Congress of Mathematicians, Hyderabad, India, 2010; Mathematical Congress of the Americas, Guanajuato, Mexico, 2013; AMS Current Events Bulletin, JMM, Seattle, 2016.
Additional Information: Ruth Lyttle Satter Prize, 2011; Fellow, AMS, 2013.
Selected Publications: 1. with C. Bonatti and S. Crovisier, The C^1 generic diffeomorphism has trivial centralizer,

Inst. Hautes Études Sci. Publ. Math., **109** (2009), 185–244. **MR2511588 (2010g:37035);** 2. with K. Burns, On the ergodicity of partially hyperbolic systems, *Ann. of Math.* (2) **171** (2010), no. 1, 451–489. **MR2630044 (2011g:37075);** 3. with K. Burns and H. Masur, The Weil–Petersson geodesic flow is ergodic, *Ann. of Math.* (2) **175** (2012), no. 2, 835–908. **MR2993753;** 4. with A. Avila and M. Viana, Absolute continuity, Lyapunov exponents and rigidity I: geodesic flows, *J. Eur. Math. Soc.,* **17** (2015), no. 6, 1435–1462. **MR3353805;** 5. with A. Avila and S. Crovisier, Diffeomorphisms with positive metric entropy, *Inst. Hautes Études Sci. Publ. Math.,* **124** (2016), 319–347. **MR3578917.**

Statement by Candidate: I have served on a total of eight editorial boards (including Transactions of the AMS) and am currently serving on three. In my editorial work I have come to appreciate the qualities that make a good editor, foremost among them timeliness, consistency, breadth of knowledge and open-mindedness. If I am elected, I will seek out these qualities in candidates for editorial boards, drawing from a diverse pool.

Current Bylaws

(as amended December 2003)

Article I

Officers

Section 1. There shall be a president, a president elect (during the even-numbered years only), an immediate past president (during the odd-numbered years only), three vice presidents, a secretary, four associate secretaries, a treasurer, and an associate treasurer.

Section 2. It shall be a duty of the president to deliver an address before the Society at the close of the term of office or within one year thereafter.

Article II

Board of Trustees

Section 1. There shall be a Board of Trustees consisting of eight trustees, five trustees elected by the Society in accordance with Article VII, together with the president, the treasurer, and the associate treasurer of the Society *ex officio.* The Board of Trustees shall designate its own presiding officer and secretary.

Section 2. The function of the Board of Trustees shall be to receive and administer the funds of the Society, to have full legal control of its investments and properties, to make contracts, and, in general, to conduct all business affairs of the Society.

Section 3. The Board of Trustees shall have the power to appoint such assistants and agents as may be necessary or convenient to facilitate the conduct of the affairs of the Society and to fix the terms and conditions of their employment. The Board may delegate to the officers of the Society duties and powers normally inhering in their respective corporative offices, subject to supervision by the Board. The Board of Trustees may appoint committees to facilitate the conduct of the financial business of the Society and delegate to such committees such powers as may be necessary or convenient for the proper exercise of those powers. Agents appointed, or members of committees designated, by the Board of Trustees need not be members of the Board.

Nothing herein contained shall be construed to empower the Board of Trustees to divest itself of responsibility for, or legal control of, the investments, properties, and contracts of the Society.

Article III

Committees

Section 1. There shall be eight editorial committees as follows: committees for the *Bulletin,* for the *Proceedings,* for the *Colloquium Publications,* for the *Journal,* for *Mathematical Surveys and Monographs,* for *Mathematical Reviews;* a joint committee for the *Transactions* and the *Memoirs;* and a committee for *Mathematics of Computation.*

Section 2. The size of each committee shall be determined by the Council.

Article IV

Council

Section 1. The Council shall consist of fifteen members at large and the following *ex officio* members: the officers of the Society specified in Article I, except that it shall include only one associate secretary, the chairman of each of the editorial committees specified in Article III, any former secretary for a period of two years following the terms of office, and members of the Executive Committee (Article V) who remain on the Council by the operation of Article VII, Section 4.

The chairman of any committee designated as a Council member may name a deputy from the committee as substitute. The associate secretary shall be the one charged with the scientific program of the meeting at which the Council meets except that at a meeting associated with no scientific meeting of the Society the secretary may designate the associate secretary.

Section 2. The Council shall formulate and administer the scientific policies of the Society and shall act in an advisory capacity to the Board of Trustees.

Section 3. In the absence of the secretary from any meeting of the Council, a member may be designated as acting secretary for the meeting, either by written authorization of the secretary, or, failing that, by the presiding officer.

Section 4. All members of the Council shall be voting members. Each member, including deputies and the designated associate secretary, shall have one vote. The method for settling matters before the Council at any meeting shall be by majority vote of the members present. If the result of a vote is challenged, it shall be the duty of the presiding officer to determine the true vote by a roll call. In a roll call

vote, each Council member shall vote only once (although possibly a member of the Council in several capacities).

Section 5. Any five members of the Council shall constitute a quorum for the transaction of business at any meeting of the Council.

Section 6. Between meetings of the Council, business may be transacted. Votes shall be counted as specified in Section 4 of this Article, "members present" being replaced by "members voting". An affirmative vote on any proposal shall be declared if, and only if, **(a)** more than half of the total number of possible votes is received by the time announced for the closing of the polls, and **(b)** at least three-quarters of the votes received by then are affirmative. If five or more members request postponement at the time of voting, action on the matter at issue shall be postponed until the next meeting of the Council, unless either **(1)** at the discretion of the secretary, the question is made the subject of a second vote, in connection with which brief statements of reason, for and against, are circulated; or **(2)** the Council places the matter at issue before the Executive Committee for action.

Section 7. The Council may delegate to the Executive Committee certain of its duties and powers. Between meetings of the Council, the Executive Committee shall act for the Council on such matters and in such ways as the Council may specify. Nothing herein contained shall be construed as empowering the Council to divest itself of responsibility for formulating and administering the scientific policies of the Society.

Section 8. The Council shall also have power to speak in the name of the Society with respect to matters affecting the status of mathematics or mathematicians, such as proposed or enacted federal or state legislation; conditions of employment in universities, colleges, or business, research or industrial organizations; regulations, policies, or acts of governmental agencies or instrumentalities; and other items which tend to affect the dignity and effective position of mathematics.

With the exception noted in the next paragraph, a favorable vote of two-thirds of the entire membership of the Council shall be necessary to authorize any statement in the name of the Society with respect to such matters. With the exception noted in the next paragraph, such a vote may be taken only if written notice shall have been given to the secretary by the proposer of any such resolution not later than one month prior to the Council meeting at which the matter is to be presented, and the vote shall be taken not earlier than one month after the resolution has been discussed by the Council.

If, at a meeting of the Council, there are present twelve members, then the prior notification to the secretary may be waived by unanimous consent. In such a case, a unanimous favorable vote by those present shall empower the Council to speak in the name of the Society.

The Council may also refer the matter to a referendum of the entire membership of the Society and shall make such reference if a referendum is requested, prior to final action by the Council, by two hundred or more members. The taking of a referendum shall act as a stay upon Council action until the votes have been canvassed, and thereafter no action may be taken by the Council except in accordance with a plurality of the votes cast in the referendum.

Article V

Executive Committee

Section 1. There shall be an Executive Committee of the Council, consisting of four elected members and the following *ex officio* members: the president, the secretary, the president elect (during even-numbered years), and the immediate past president (during odd-numbered years).

Section 2. The Executive Committee of the Council shall be empowered to act for the Council on matters which have been delegated to the Executive Committee by the Council. If three members of the Executive Committee request that any matter be referred to the Council, the matter shall be so referred. The Executive Committee shall be responsible to the Council and shall report its actions to the Council. It may consider the agenda for meetings of the Council and may make recommendations to the Council.

Section 3. Each member of the Executive Committee shall have one vote. An affirmative vote on any proposal before the Executive Committee shall be declared if, and only if, at least four affirmative votes are cast for the proposal. A vote on any proposal may be determined at a meeting of the Executive Committee, but it shall not be necessary to hold a meeting to determine a vote.

Article VI

Executive Director

Section 1. There shall be an Executive Director who shall be a paid employee of the Society. The Executive Director shall have charge of the offices of the Society, except for the office of the secretary, and shall be responsible for the general administration of the affairs of the Society in accordance with the policies that are set by the Board of Trustees and by the Council.

Section 2. The Executive Director shall be appointed by the Board of Trustees with the consent of the Council. The terms and conditions of employment shall be fixed by the Board of Trustees, and the performance of the Executive Director will be reviewed regularly by the Board of Trustees.

Section 3. The Executive Director shall be responsible to and shall consult regularly with a liaison committee consisting of the president as chair, the secretary, the treasurer, and the chair of the Board of Trustees.

Section 4. The Executive Director shall attend meetings of the Board of Trustees, the Council, and the Executive Committee, but shall not be a member of any of these bodies.

Article VII

Election of Officers and Terms of Office

Section 1. The term of office shall be one year in the case of the president elect and the immediate past president; two years in the case of the president, the secretary, the associate secretaries, the treasurer, and the associate treasurer; three years in the case of vice presidents and members at large of the Council, one vice president and

five members at large retiring annually; and five years in the case of the trustees. In the case of members of the editorial committees and appointed members of the communications committees, the term of office shall be determined by the Council. The term of office for elected members of the Executive Committee shall be four years, one of the elected members retiring annually. All terms of office shall begin on February 1 and terminate on January 31, with the exception that the officials specified in Articles I, II, III, IV, and V (excepting the president elect and immediate past president) shall continue to serve until their successors have been duly elected or appointed and qualified.

Section 2. The president elect, the vice presidents, the trustees, and the members at large of the Council shall be elected by ballot. The secretary shall send notification to each member of the Society about the slate of candidates and the voting procedure on or before October 10, and legitimate ballots received by an established deadline at least 30 days later will be counted. Each ballot shall contain one or more names proposed by the Council for each office to be filled, with blank spaces in which the voter may substitute other names. A plurality of all votes cast shall be necessary for election. In case of failure to secure a plurality for any office, the Council shall choose by ballot among the members having the highest number of votes. The secretary, the associate secretaries, the treasurer, and the associate treasurer shall be appointed by the Council in a manner designated by the Council. Each committee named in Article III shall be appointed by the Council in a manner designated by the Council. Each such committee shall elect one of its members as chairman in a manner designated by the Council.

Section 3. The president becomes immediate past president at the end of the term of office and the president elect becomes president.

Section 4. On or before February 15, the secretary shall send to all members of the Council a ballot containing two names for each place to be filled on the Executive Committee. The nominees shall be chosen by a committee appointed by the president. Members of the Council may vote for persons not nominated. Any member of the Council who is not an *ex officio* member of the Executive Committee (see Article V, Section 1) shall be eligible for election to the Executive Committee. In case a member is elected to the Executive Committee for a term extending beyond the regular term on the Council, that person shall automatically continue as a member of the Council during the remainder of that term on the Executive Committee.

Section 5. The president and vice presidents shall not be eligible for immediate re-election to their respective offices. A member at large or an *ex officio* member of the Council shall not be eligible for immediate election (or re-election) as a member at large of the Council.

Section 6. If the president of the Society should die or resign while a president elect is in office, the president elect shall serve as president for the remainder of the year and thereafter shall serve the regular two-year term. If the president of the Society should die or resign when no

president elect is in office, the Council, with the approval of the Board of Trustees, shall designate one of the vice presidents to serve as president for the balance of the regular presidential term. If the president elect of the Society should die or resign before becoming president, the office shall remain vacant until the next regular election of a president elect, and the Society shall, at the next annual meeting, elect a president for a two-year term. If the immediate past president should die or resign before expiration of the term of office, the Council, with the approval of the Board of Trustees, shall designate a former president of the Society to serve as immediate past president during the remainder of the regular term of the immediate past president. Such vacancies as may occur at any time in the group consisting of the vice presidents, the secretary, the associate secretaries, the treasurer, and the associate treasurer shall be filled by the Council with the approval of the Board of Trustees. If a member of an editorial or communications committee should take temporary leave from duties, the Council shall then appoint a substitute. The Council shall fill from its own membership any vacancy in the elected membership of the Executive Committee.

Section 7. If any elected trustee should die while in office or resign, the vacancy thus created shall be filled for the unexpired term by the Board of Trustees.

Section 8. If any member at large of the Council should die or resign more than one year before the expiration of the term, the vacancy for the unexpired term shall be filled by the Society at the next annual meeting.

Section 9. In case any officer should die or decline to serve between the time of election and the time to assume office, the vacancy shall be filled in the same manner as if that officer had served one day of the term.

Article VIII

Members and Their Election
Section 1. Election of members shall be by vote of the Council or of its Executive Committee.

Section 2. There shall be four classes of members, namely, ordinary, contributing, corporate, and institutional.

Section 3. Application for admission to ordinary membership shall be made by the applicant on a blank provided by the secretary. Such applications shall not be acted upon until at least thirty days after their presentation to the Council (at a meeting or by mail), except in the case of members of other societies entering under special action of the Council approved by the Board of Trustees.

Section 4. An ordinary member may become a contributing member by paying the dues for such membership. (See Article IX, Section 3.)

Section 5. A university or college, or a firm, corporation, or association interested in the support of mathematics may be elected a corporate or an institutional member.

Article IX

Dues and Privileges of Members
Section 1. Any applicant shall be admitted to ordinary membership immediately upon election by the Council (Article VIII) and the discharge within sixty days of elec-

tion of the first annual dues. Dues may be discharged by payment or by remission when the provision of Section 7 of this Article is applicable. The first annual dues shall apply to the year of election, except that any applicant elected after August 15 of any year may elect to have the first annual dues apply to the following year.

Section 2. The annual dues of an ordinary member of the Society shall be established by the Council with the approval of the Trustees. The Council, with the approval of the Trustees, may establish special rates in exceptional cases and for members of an organization with which the Society has a reciprocity agreement.

Section 3. The minimum dues for a contributing member shall be three-halves of the dues of an ordinary member per year. Members may, upon their own initiative, pay larger dues.

Section 4. The minimum dues of an institutional member shall depend on the scholarly activity of that member. The formula for computing these dues shall be established from time to time by the Council, subject to approval by the Board of Trustees. Institutions may pay larger dues than the computed minimum.

Section 5. The privileges of an institutional member shall depend on its dues in a manner to be determined by the Council, subject to approval by the Board of Trustees. These privileges shall be in terms of Society publications to be received by the institution and of the number of persons it may nominate for ordinary membership in the Society.

Section 6. Dues and privileges of corporate members of the Society shall be established by the Council subject to approval by the Board of Trustees.

Section 7. The dues of an ordinary member of the Society shall be remitted for any years during which that member is the nominee of an institutional member.

Section 8. After retirement from active service on account of age or on account of long-term disability, any ordinary or contributing member who is not in arrears of dues and with membership extending over at least twenty years may, by giving proper notification to the secretary, have dues remitted. Such a member shall receive the *Notices* and may request to receive *Bulletin* as privileges of membership during each year until membership ends.

Section 9. An ordinary or contributing member shall receive the *Notices* and *Bulletin* as privileges of membership during each year for which dues have been discharged.

Section 10. The annual dues of ordinary, contributing, and corporate members shall be due by January 1 of the year to which they apply. The Society shall submit bills for dues. If the annual dues of any member remain undischarged beyond what the Board of Trustees deems to be a reasonable time, the name of that member shall be removed from the list of members after due notice. A member wishing to discontinue membership at any time shall submit a resignation in writing to the Society.

Section 11. An eligible member may become a life member by making a one-time payment of dues. The criteria for eligibility and the amount of dues shall be established by the Council, subject to approval by the Board of Trustees.

A life member is subsequently relieved of the obligation of paying dues. The status and privileges are those of ordinary members.

An eligible member of the Society by reciprocity who asserts the intention of continuing to be a member by reciprocity may purchase a life membership by a one-time payment of dues. The criteria for eligibility and the amount of dues shall be established by the Council, subject to approval by the Board of Trustees.

Article X
Meetings
Section 1. The annual meeting of the Society shall be held between the fifteenth of December and the tenth of February next following. Notice of the time and place of this meeting shall be sent by the secretary or an associate secretary to each member of the Society. The times and places of the annual and other meetings of the Society shall be designated by the Council.

Section 2. There shall be a business meeting of the Society only at the annual meeting. The agenda for the business meeting shall be determined by the Council. A business meeting of the Society can take action only on items notified to the full membership of the Society in the call for the meeting. A business meeting can act on items recommended to it jointly by the Council and the Board of Trustees; a majority of members present and voting is required for passage of such an item. A business meeting of the Society can place action items on the agenda for a future business meeting. Final action on an item proposed by a previous business meeting can be taken only provided there is a quorum of 400 members, a majority of members at a business meeting with a quorum being required for passage of such an item.

Section 3. Meetings of the Executive Committee may be called by the president. The president shall call a meeting at any time upon the written request of two of its members.

Section 4. The Council shall meet at the annual meeting of the Society. Special meetings of the Council may be called by the president. The president shall call a special meeting at any time upon the written request of five of its members. No special meeting of the Council shall be held unless written notice of it shall have been sent to all members of the Council at least ten days before the day set for the meeting.

Section 5. The Board of Trustees shall hold at least one meeting in each calendar year. Meetings of the Board of Trustees may be called by the president, the treasurer, or the secretary of the Society upon three days' notice of such meetings sent to each trustee. The secretary of the Society shall call a meeting upon the receipt of a written request of two of the trustees. Meetings may also be held by common consent of all the trustees.

Section 6. Papers intended for presentation at any meeting of the Society shall be passed upon in advance by a program committee appointed by or under the authority of the Council, and only such papers shall be presented as shall have been approved by such committee. Papers

in form unsuitable for publication, if accepted for presentation, shall be referred to on the program as preliminary communications or reports.

Article XI

Publications

Section 1. The Society shall publish an official organ called the *Bulletin of the American Mathematical Society.* It shall publish four journals, known as the *Journal of the American Mathematical Society,* the *Transactions of the American Mathematical Society,* the *Proceedings of the American Mathematical Society,* and *Mathematics of Computation.* It shall publish a series of mathematical papers known as the *Memoirs of the American Mathematical Society.* The object of the *Journal, Transactions, Proceedings, Memoirs,* and *Mathematics of Computation* is to make known important mathematical researches. It shall publish a periodical called *Mathematical Reviews,* containing abstracts or reviews of current mathematical literature. It shall publish a series of volumes called *Colloquium Publications* which shall embody in book form new mathematical developments. It shall publish a series of monographs called *Mathematical Surveys and Monographs* which shall furnish expositions of the principal methods and results of particular fields of mathematical research. It shall publish a news periodical known as the *Notices of the American Mathematical Society,* containing programs of meetings, items of news of particular interest to mathematicians, and such other materials as the Council may direct.

Section 2. The editorial management of the publications of the Society listed in Section 1 of this article, with the exception of the *Notices,* shall be in the charge of the respective editorial committees as provided in Article III, Section 1. The editorial management of the *Notices* shall be in the hands of a committee chosen in a manner established by the Council.

Article XII

Indemnification

Any person who at any time serves or has served as a trustee or officer of the Society, or as a member of the Council, or, at the request of the Society, as a director or officer of another corporation, whether for profit or not for profit, shall be indemnified by the Society and be reimbursed against and for expenses actually and necessarily incurred in connection with the defense or reasonable settlement of any action, suit, legal or administrative proceeding, whether civil, criminal, administrative or investigative, threatened, pending or completed, to which that person is made a party by reason of being or having been such trustee, officer or director or Council member, except in relation to matters as to which the person shall be adjudged in such action, suit, or proceeding to be liable for negligence or misconduct in the performance of official duties. Such right of indemnification and reimbursement shall also extend to the personal representatives of any such person and shall be in addition to and not in substitution for any other rights to which such person or personal representatives may now or hereafter be entitled by virtue of the provisions of applicable law or of any other agreement or vote of the Board of Trustees, or otherwise.

Article XIII

Amendments

These bylaws may be amended or suspended on recommendation of the Council and with the approval of the membership of the Society, the approval consisting of an affirmative vote by two-thirds of the members present at a business meeting or of two-thirds of the members voting in a mail ballot in which at least ten percent of the members vote, whichever alternative shall have been designated by the Council, and provided notice of the proposed action and of its general nature shall have been given in the call for the meeting or accompanies the ballot in full.

Call For Suggestions

YOUR SUGGESTIONS ARE WANTED BY:

the Nominating Committee, for the following contested seats in the 2018 AMS elections:
vice president, trustee,
and five members at large of the Council.

Deadline for suggestions: November 1, 2017

the President, for the following contested seats in the 2018 AMS elections:
three members of the Nominating Committee and
two members of the Editorial Boards Committee.

Deadline for suggestions: January 31, 2018

the Editorial Boards Committee, for appointments to various editorial boards of AMS publications.

Deadline for suggestions: Can be submitted any time

Send your suggestions for any of the above to:
Carla D. Savage, Secretary
American Mathematical Society
Department of Computer Science
North Carolina State University
Raleigh, NC 27695-8206 USA
secretary@ams.org
or submit them online at **www.ams.org/committee-nominate**

AMS
AMERICAN MATHEMATICAL SOCIETY

AMS Election 2018

Nominations by Petition

VICE PRESIDENT OR MEMBER AT LARGE

One position of vice president and member of the Council *ex officio* for a term of three years is to be filled in the election of 2018. The Council intends to nominate at least two candidates, among whom may be candidates nominated by petition as described in the rules and procedures.

Five positions of member at large of the Council for a term of three years are to be filled in the same election. The Council intends to nominate at least ten candidates, among whom may be candidates nominated by petition in the manner described in the rules and procedures.

Petitions are presented to the Council, which, according to Section 2 of Article VII of the bylaws, makes the nominations.

Prior to presentation to the Council, petitions in support of a candidate for the position of vice president or of member at large of the Council must have at least fifty valid signatures and must conform to several rules and procedures, which are described below.

EDITORIAL BOARDS COMMITTEE

Two places on the Editorial Boards Committee will be filled by election. There will be four continuing members of the Editorial Boards Committee.

The President will name at least four candidates for these two places, among whom may be candidates nominated by petition in the manner described in the rules and procedures.

The candidate's assent and petitions bearing at least 100 valid signatures are required for a name to be placed on the ballot. In addition, several other rules and procedures, described below, should be followed.

NOMINATING COMMITTEE

Three places on the Nominating Committee will be filled by election. There will be six continuing members of the Nominating Committee.

The President will name at least six candidates for these three places, among whom may be candidates nominated by petition in the manner described in the rules and procedures.

The candidate's assent and petitions bearing at least 100 valid signatures are required for a name to be placed on the ballot. In addition, several other rules and procedures, described below, should be followed.

RULES AND PROCEDURES

Use separate copies of the form for each candidate for vice president, member at large, member of the Nominating or Editorial Boards Committees.

1. To be considered, petitions must be addressed to Carla D. Savage, Secretary, American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294 USA, and must arrive by 24 February 2018.
2. The name of the candidate must be given as it appears in the "American Mathematical Society" entry in the *Combined Membership List* (www.ams.org/cml). If the name does not appear in the list, as in the case of a new AMS member or by error, it must be as it appears in the mailing lists, for example on the mailing label of the *Notices.* If the name does not identify the candidate uniquely, append the member code, which may be obtained from the candidate's mailing label or by the candidate contacting the AMS headquarters in Providence (amsmem@ams.org).
3. The petition for a single candidate may consist of several sheets each bearing the statement of the petition, including the name of the position, and signatures. The name of the candidate must be exactly the same on all sheets.
4. On the next page is a sample form for petitions. Petitioners may make and use photocopies or reasonable facsimiles.
5. A signature is valid when it is clearly that of the member whose name and address is given in the left-hand column.
6. The signature may be in the style chosen by the signer. However, the printed name and address will be checked against the AMS entry in the *Combined Membership List* and on the mailing lists. No attempt will be made to match variants of names with the form of name in the AMS *CML* entry. A name neither in the *CML* nor on the mailing lists is not that of a member. (Example: The name Carla D. Savage is that of a member. The name C. Savage appears not to be.)
7. When a petition meeting these various requirements appears, the secretary will ask the candidate to indicate willingness to be included on the ballot. Petitioners can facilitate the procedure by accompanying the petitions with a signed statement from the candidate giving consent.

Nomination Petition
for 2018 Election

The undersigned members of the American Mathematical Society propose the name of

_____

as a candidate for the position of (check one):

☐ **Vice President** (term beginning 02/01/2019)
☐ **Member at Large of the Council** (term beginning 02/01/2019)
☐ **Member of the Nominating Committee** (term beginning 01/01/2019)
☐ **Member of the Editorial Boards Committee** (term beginning 02/01/2019)

of the American Mathematical Society.

Return petitions by 24 February 2018 to:
Secretary, AMS, 201 Charles Street, Providence, RI 02904-2294 USA

Name and address (printed or typed)

Name and address	Signature
	Signature
	Signature
	Signature
	Signature
	Signature
	Signature