Biographies of Candidates 2012

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 words 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.

Candidates with an asterisk (*) beside their names were nominated in response to a petition.

Abbreviations: American Association for the Advancement of Science (AAAS); American Mathematical Society (AMS); American Statistical Association (ASA); Association for Computing Machinery (ACM); Association for Symbolic Logic (ASL); Association for Women in Mathematics (AWM); Canadian Mathematical Society, Société Mathématique du Canada (CMS); Conference Board of the Mathematical Sciences (CBMS); Institute for Advanced Study (IAS), Institute of Mathematical Statistics (IMS); International Mathematical Union (IMU); London Mathematical Society (LMS); Mathematical Association of America (MAA); Mathematical Sciences Research Institute (MSRI); National Academy of Sciences (NAS); National Academy of Sciences/National Research Council (NAS/NRC); National Aeronautics and Space Administration (NASA); National Council of Teachers of Mathematics (NCTM); National Science Foundation (NSF); Society for Industrial and Applied Mathematics (SIAM).

Vice President

Chuu-Lian Terng

Professor in Mathematics, University of California, Irvine.

Born: February 1, 1949, Hua-Lian, Taiwan, ROC.

Ph.D.: Brandeis University, 1976.

AMS Offices: Member at Large of the Council, 1986–1989.

AMS Committees: Program Committee for National Meetings, 1995–1998; Committee on Publications, 2001; Committee on Committees, 2003–2005; Satter Prize Committee, 2004–2006; Western Section Program Committee, 2009–2012.

Selected Addresses: AMS Invited Address, Mathfest, Eugene, Oregon, 1984; AMS Invited Address, Joint Mathematics Meetings, San Antonio, TX, 1999; AWM-MAA Invited Address, Mathfest, Providence, RI, 1999; Invited Address, International Congress of Mathematicians, Madrid, 2006; AMS-MAA Invited Address, Joint Mathematics Meetings, New Orleans, LA, 2011.

Additional Information: Sloan Fellowship, 1982–1984; NSF Advisory Panel for Mathematics, 1986–1989; Humboldt Research Award, 1995; Co-organizer, Mentoring Program for Women Mathematicians, IAS, 1994–2011; AWM President, 1995–1997; Steering Committee, IAS Summer Institute, 1998–2001; Scientific Advisory Committee, MSRI, 2003–2006.

Selected Publications: 1. Isoparametric submanifolds and their Coxeter groups, J. Differential Geom., **21** (1985), 79–107. MR**0806704 (87e:53095)**; 2. with R. S. Palais, A general theory of canonical forms, Trans. Amer. Math. Soc., **300** (1987), 771–789. MR**0876478 (88f:57069)**; 3. with K. Uhlenbeck, Backlund transformations and loop group actions, Comm. Pure Appl. Math., **53** (2000), 1–75. MR**1715533 (2000k:37116)**; 4. with B. Dai and K. Uhlenbeck, On the space-time monopole equations, Surv. Differ. Geom., **10** (2006), 1–30. MR**2408220 (2009f:53033)**; 5. with X. Liu, The mean curvature flow on isoparametric submanifolds, Duke Math. J., **147** (2009), 157–179. MR**2494459 (2010a:53140)**.

Statement by Candidate: The AMS has had a long and successful history performing its mission of promoting mathematical research, education, and outreach, and it is an honor to be asked to run for the position of AMS Vice President. I hope to be able to serve the Society by working with colleagues to strengthen its core missions, to promote inclusiveness, and to help young mathematicians in these difficult economic times.

Christoph Thiele

Professor of Mathematics, University of California, Los Angeles.

Born: September 10, 1968, Darmstadt, Germany.

Ph.D.: Yale University, 1995.

AMS Offices: Council, 2010–2013.

AMS Committees: Committee on Education, 2010–2013; AMS-Simons Travel Grants Committee, 2011–2012; Associate Editor for Bulletin Articles, 2012–2014.

Selected Addresses: Invited Speaker, ICM, Beijing, 2002; Invited Address, AMS Sectional Meeting, Los Angeles, 2004; Principal Speaker, CBMS Conference, Atlanta, 2004.

Additional Information: Salem Prize, 1996; Chair, UCLA Department of Mathematics, 2006–2009; Humboldt Research Award, 2010; Hausdorff Chair, Bonn University, 2012–present.
Selected Publications: 1. with M. Lacey, Lp estimates for the bilinear Hilbert transform for $2 < p < \infty$, Ann. of Math., **146** (1997), No. 3, 693–724. MR**1491450 (99b:42014)**; 2. A uniform estimate, Ann. of Math., **156** (2002), No. 2, 519–563. MR**1933076 (2003i:47036)**; 3. with T. Tao, Nonlinear Fourier Analysis, Lecture notes, to appear in IAS Park City Mathematics Series, 2003. 4. with C. Muscalu and T. Tao, A Carleson theorem for a Cantor group model of the scattering transform, Nonlinearity, **16** (2003), No. 1, 219–246. MR**1950785 (2004i:34227)**; 5. with C. Demeter, M. Lacey and T. Tao, Breaking the duality in the return times theorem, Duke Math. J., **143** (2008), No. 2, 281–355. MR**2420509 (2009f:42013)**.
Statement by Candidate: The AMS is an outstanding organization that offers superb services to the mathematics community. It affects mathematicians' daily lives and is a public face of the profession. If elected Vice President of the AMS, I would view my service as a chance to give back to this wonderful organization and to help extend its mission in to the future. Building on its strong programs, and wisely following new initiatives, I envision a bright future for the AMS, and a critical role for mathematics as an ever growing and increasingly vital component of modern life.

Trustee

Joel Spencer

Mathematics Professor, Courant Institute, New York University.
Born: April 20, 1946, Brooklyn, New York.
Ph.D.: Harvard University, 1970.
AMS Offices: Council, 1997–2001; Executive Committee, 1998–2001.
AMS Committees: AMS-SIAM Committee on Applied Mathematics, 1990–1992; Liaison Committee with AAAS, 1994–1997; Committee on Meetings and Conferences, 1997–1999 (chair); Committee on Committees, 1999–2001; Young Scholars Committee, 1999–2003 (chair); Agenda and Budget, 2001–2002; Nominating Committee, 2004–2006.
Selected Addresses: NSF-CBMS Lecturer, Durango, 1986; ICM Invited Lecture, Zurich, 1994; Erdös Memorial Lectures, Jerusalem, 2001; Midwest Probability Colloquium, Northwestern, 2009; Vera Sos Birthday Conference, Budapest, 2010.
Additional Information: Putnam Winner, 1962; Sloan Fellow, 1977–1981; Ford Award, 1984; Golden Dozen Teaching Award, 1999; Member of MAA and SIAM.
Selected Publications: 1. with R. Graham and B. Rothschild, Ramsey Theory, John Wiley & Sons, Inc., New York, 1980, 1990. MR**1044995 (90m:05003)**; 2. with S. Shelah, Zero-one laws for sparse random graphs, J. Amer. Math. Soc., **1** (1988), 97–115. MR**0924703 (89i:05249)**; 3. with N. Alon, The Probabilistic Method, John Wiley & Sons, Inc., New York, 1992, 2000, 2008. MR**2437651 (2009j:60004)**; 4. with R. van der Hofstad, Counting connected graphs asymptotically, European J. Combin., 27 (2006), 1294–1320. MR**2260122 (2007f:05085)**; 5. with N. Wormald, Birth control for giants, Combinatorica, **27** (2007), 587–628. MR**2375718 (2008m:05270)**.
Statement by Candidate: I look with great pride at the establishment of the Young Scholars program, aka The Epsilon Fund. This program, using contributions from AMS members, supports Summer Math Camps for talented high school students. I helped set up this program and served as the first chair of the committee selecting the recipients of this support. Beyond the financial support, the AMS is able to bestow its "stamp of approval" on these programs. This experience convinced me of what the AMS, as an organization, could do.

To be sure, the Board of Trustees must exercise its fiduciary responsibilities and be certain that the AMS remains in a good financial position. Money must be spent wisely. But I personally take objection to those here nameless individuals that conflate responsibility and stinginess—the AMS must proactively search for situations in which it can use its position and, yes, its financial resources.

Mathematics is my world and it is your world. As individuals struggling with a Lemma we need only a pad of paper and a quiet place. The AMS plays a central role in the design of a framework in which the community of mathematicians can work and prosper.

Karen Vogtmann

Goldwin Smith Professor of Mathematics, Cornell University.
Born: July 13, 1949, Pittsburg, California.
Ph.D.: University of California, Berkeley, 1977.
AMS Offices: Member at Large of the Council, 1997–2000; Executive Committee, 1999–2003; Vice President, 2003–2006; Trustee, 2008–2013.
AMS Committees: Fellowship Committee, 1989–1990 (chair, 1990); Committee on Meetings and Conferences, 1997–2003 (chair, 2000–2003); Committee on Education, 2003–2006; Science Policy Committee, 2008–2011; Committee on Publications, 2012–present.
Selected Addresses: International Congress of Mathematicians, Madrid, Spain, August, 2006; AWM Noether Lecture, New Orleans, LA, January, 2007; Felix Klein Lectures, Hausdorff Institute for Mathematics, Bonn, Germany, May–June, 2010; Plenary Address, British Mathematical Colloquium, Leicester, England, April, 2011; 2011 European Mathematical Society Lecturer, Barcelona, Oxford, Stockholm.
Selected Publications: 1. with M. Culler, Moduli of graphs and automorphisms of free groups, Invent. Math., **84** (1986), 91–119. MR**0830040 (87f:20048)**; 2. with A. Hatcher, Cerf theory for graphs, J. London Math. Soc., **58** (1998), No. 3, 633–655. MR**1678155 (2000e:20041)**; 3. with L. Billera and S. Holmes, Geometry of the space

of phylogenetic trees, Adv. in Appl. Math., **27** (2001), 733–767. MR**1867931 (2002k:05229)**; 4. with J. Conant, On a theorem of Kontsevich, Algebr. Geom. Topol., 3 (2003), 1167–1224. MR**2026331 (2004m:18006)**; 5. with M. Bridson, Actions of automorphism groups of free groups on spheres and acyclic manifolds, Comment. Math. Helv., **86** (2011), No. 1, 73–90. MR**2745276 (2011j:20104)**.

Statement by Candidate: It has been an honor to serve on the Board of Trustees of the American Mathematical Society for the past five years, and I would be happy to return for a second term.

Over the years I have had a number of different roles in the AMS and have developed a good overall sense of how the Society functions. It is not a static organization, but continually evolves to better support mathematics and mathematicians. Since I started with the AMS it has introduced and developed many programs, including MathJobs, the Young Scholars program, and the Public Awareness office, has made continual improvements to MathSciNet, and has found new ways to honor the achievements of mathematicians and help mathematics gain recognition in the wider community. In addition to developing new programs, the AMS continues to support its already successful activities, such as its program of meetings and conferences and its extensive publishing program, while at the same time looking for new ways to improve these programs. If re-elected to the Board of Trustees, I will work to ensure that the AMS remains financially healthy so that it can continue these successful programs, respond to new needs of the mathematics community as they arise, and seek to broaden the participation of all groups in this community.

Member at Large

Jesús A. De Loera

Professor of Mathematics and the graduate groups of Applied Mathematics and Computer Science, University of California, Davis.

Born: January 18, 1966, Mexico City, Mexico.

Ph.D.: Cornell University, 1995.

Selected Addresses: Plenary Speaker, MAA Mathfest, Knoxville, Tennessee, 2006; Plenary Speaker, Fourth International Symposium of Combinatorial Computing (4ICC), University of Auckland, New Zealand, December 2008; Plenary Speaker, Second Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM), Montreal, May 2009; Plenary Invited Topical Speaker, SIAM annual meeting, Pittsburgh, July 12– 16, 2010; Keynote Lecturer, Rocky Mountain Mathematics Consortium Summer School, Laramie, Wyoming, June 20–July 1, 2011.

Additional Information: UC Davis, Chancellor's Fellow Award, 2003–2008; Alexander Von Humboldt Fellowship, 2004; Award for Excellence in Service to Graduate Students, UC Davis Graduate Student Association, 2007; INFORMS Computing Society Prize, 2010. Editorial boards: SIAM Journal of Discrete Mathematics and Discrete Optimization; program committees of various conferences and workshops. Member: AMS, SIAM, MAA, INFORMS, and the Mathematical Optimization Society.

Selected Publications: 1. with A. Below and J. Richter-Gebert, The complexity of finding small triangulations of convex 3-polytopes, J. Algorithms, **50** (2004), No. 2, 134–167. MR**2049790 (2005d:68061)**; 2. with R. Hemmecke, M. Köppe, and R. Weismantel, Integer polynomial optimization in fixed dimension, Math. Oper. Res. 31 (2006), No. 1, 147–153. MR**2205524 (2006i:90036)**; 3. with J. Lee, S. Margulies, and S. Onn, Expressing combinatorial optimization problems by systems of polynomial equations and Hilbert's Nullstellensatz, Combin. Probab. Comput. **18** (2009), No. 4, 551–582. MR**2507737 (2010g:05374)**; 4. with F. Santos and J. Rambau, Triangulations: Structure for Algorithms and Applications, Algorithms and Computation in Mathematics, vol. 25, Springer-Verlag, Berlin, 2010. MR**2743368 (2011j:52037)**; 5. with V. Baldoni, N. Berline, M. Köppe, and M. Vergne, How to integrate a polynomial over a simplex, Math. Comp., **80** (2011), No. 273, 297–325. MR**2728981 (2011m:68294)**.

Statement by Candidate: I believe AMS members should be concerned about the following issues:

Improving the image of Mathematics: Recent attempts to close the Math department at the University of Nevada, Reno, akin to those at the University of Rochester several years ago, remind us of our low standing in the eyes of policy makers and the public. How do we convince others that Mathematics truly matters?

Supporting the infrastructure for Mathematics: The AMS must play new and improved roles in the use of technology for education and research (e.g., Webwork, MIT.x, mathoverflow, polymath collaborations, etc.), in the affordable distribution of Mathematics (over the internet and other media, e.g., video-clips), in fostering international and interdisciplinary collaboration, and in the support of Mathematics in developing countries.

Recruitment, Education, and Employment: It is alarming that so few students learn Mathematics beyond calculus. In particular, the failure to attract underrepresented groups threatens the sustainability of a high-tech economy. I believe low recruitment is related to continuing problems in Mathematics education and the weak job market for mathematicians. Is it enough to train mathematicians or should we be more pro-active in creating new job options and networks for our graduates?

Member at Large

Paul Goerss

Professor of Mathematics, Northwestern University.

Born: August 28, 1957, Cleveland, Ohio.

Ph.D.: Massachusetts Institute of Technology, 1983.

AMS Committees: Chair, Simons Travel Grant Committee, 2011–2013.

Selected Addresses: Qualitative phenomena in stable homotopy theory, Lecture Series, Strasbourg,

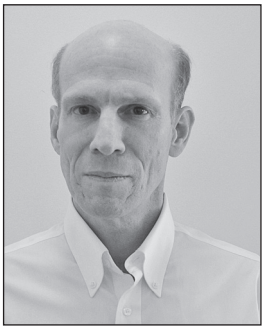
2007; The moduli stack of formal groups, Lecture Series, Fields Institute, 2007; Topological Algebraic Geometry, Lecture Series, Copenhagen, 2008; Topological Modular Forms, Seminar Bourbaki, Paris, 2009; Spheres, formal groups and derived algebraic geometry, Colloquium, University of Bonn, 2010.

Additional Information: Chair, Department of Mathematics, Northwestern University, 2003–2006; Director of Graduate Studies, Department of Mathematics, Northwestern University, 2010–2013.

Selected Publications: 1. On the André-Quillen cohomology of commutative $\mathbf{F}_2$-algebras, Astérisque, **186** (1990). MR**1089001 (92b:18012)**; 2. with J. Lannes and F. Morel, Vecteurs de Witt noncommutatifs et représentabilité de l'homologie modulo p, Invent. Math., **108** (1992), 163–227. MR**1156389 (93e:55014)**; 3. with M. Hopkins, Moduli spaces of commutative ring spectra, Structured Ring Spectra, London Math. Soc. Lecture Note Ser., 315 (2004), pp. 151–200, Cambridge Univ. Press, Cambridge. MR**2125040 (2006b:55010)**; 4. with H.-W. Henn, M. Mahowald and C. Rezk, A resolution of the K(2)-local sphere at the prime 3, Ann. of Math., **162** (2005), No. 2, 777–822. MR**2183282 (2006j:55016)**; 5. Topological modular forms [after Hopkins, Miller, and Lurie], Astérisque, **332** (2010), 221–256. MR**2648680 (2011m:55003)**.

Statement by Candidate: Over a thirty year career, I've been a research mathematician and teacher at Wellesley College, the University of Washington, and Northwestern University. I've been Director of Undergraduate Studies at Washington, and the Chair of the Department and Director of Graduate Studies at Northwestern. I've been on many grant and infrastructure committees, on thesis committees in the US, France, and Germany, and on the editorial boards of journals. All of this has given me an overview of mathematics as an exciting and broad intellectual project. Vital new research feeds and drives the profession, and how we tell the story through writing and instruction keep it healthy and growing. The purpose of the AMS is to foster the entire project—research and instruction together —and I would welcome the chance to help out by serving on the Council.

Allan Greenleaf



Professor of Mathematics and Chairman, University of Rochester.

Born: 1959, Portsmouth, New Hampshire.

Ph.D.: Princeton University, 1981.

Selected Addresses: Chelluri Lecture, Cornell University, 2008; Mini-course, US-German Summer School, Penn State, 2010; Knowledge Transfer Lecture, ICMS, Edinburgh, 2011.

Additional Information: NSF Postdoctoral Fellowship, 1981–1983; Sloan Fellowship, 1990–1992; Member, MSRI, Fall 1987 and 2010; Co-organizer, MRC on Inverse Problems, Snowbird, 2009.

Selected Publications: 1. Nonlocal inversion formulas for the X-ray transform, with G. Uhlmann, Duke Math. J., **58** (1989), 205–240. MR**1016420 (91b:58251)**; 2. Fourier integral operators with fold singularities, with A. Seeger, J. Reine Angew. Math., **455** (1994), 35–56. MR**1293873 (95h:58130)**; 3. On nonuniqueness for Calderón's inverse problem, with M. Lassas and G. Uhlmann, Math. Res. Lett., **10** (2003), 685–693. MR**2024725 (2005f:35316)**; 4. Invisibility and inverse problems, with Y. Kurylev, M. Lassas and G. Uhlmann, Bull. Amer. Math. Soc., **46** (2009), 55–97. MR**2457072 (2010d:35399)**; 5. Fourier integral operators with open umbrellas and seismic inversion for cusp caustics, with R. Felea, Math. Res. Lett., **17** (2010), 867–886. MR**2727615 (2012e:58044)**.

Statement by Candidate: The mathematics profession is currently being buffeted from many directions. Fiscal retrenchment at the federal level makes it likely that overall research funding will be decreasing in the near future. What funds that are available will be heavily drawn upon to support previous commitments for infrastructure, including institutes. Unless new funding models are introduced, this will put traditional PI funding out of reach for many worthy mathematicians. At the local level, university budget cutbacks have put incredible stress on math departments and prompted administrators to look at alternative methods of providing mathematics instruction. As a result, the job market for new Ph.D.s is very difficult and, at the tenure-track level, the worst in living memory. The AMS needs to represent the interests of all of its members, in both junior and senior ranks and at all kinds of institutions. The current environment, combining economic austerity with political hostility to science, means that the AMS must forcefully advocate to the society at large for the support of mathematical research and education, while fighting at the funding agency, university and college level to preserve and improve working conditions of all of its members.

Brendan Hassett

Professor and Chair of the Department of Mathematics, Rice University.

Born: April 1, 1971, Chicago, IL.

Ph.D.: Harvard University, 1996.

AMS Committees: Central Section Program Committee, 2010–2012.

Selected Addresses: Lectures at the summer school Aspects arithmétiques des courbes rationnelles, Institut Fourier, University of Grenoble, 2010; Complex Algebraic Geometry conference, Centre Emile Borel-Institut Henri Poincaré, Paris, 2010; Ramification in Algebra and Geometry, Emory University, Atlanta, Georgia, 2011; AGNES (Algebraic Geometry, Northeastern Series) meeting, Amherst, Massachusetts, 2012; Invited Address, AMS Western Sectional meeting, Boulder, Colorado, 2013.

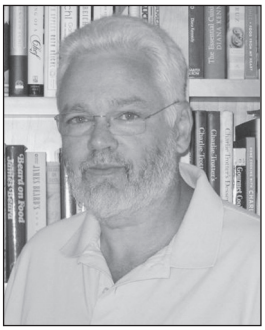
Additional Information: NSF CAREER Grant, 2002–2008; Alfred P. Sloan Research Fellow, 2003–2006; Founding organizer, Texas Algebraic Geometry Seminar, 2003-present; Professeur Invité, Université Paris-Sud, Orsay, 2005; Organizer, Clay Mathematics Institute Summer School

on Arithmetic Geometry, University of Göttingen, 2006; Co-chair, MSRI semester program in Algebraic Geometry, 2009; Charles W. Duncan Jr. Achievement Award for Outstanding Faculty, Rice University, 2009; Chair, Rice Department of Mathematics, 2009–present. Editorial boards: Experimental Mathematics, 2008–present, Journal of Algebraic Geometry, 2012–present.

Selected Publications: 1. Special cubic fourfolds, Compositio Math., **120** (2000), No. 1, 1–23. MR**1738215 (2001g:14066)**; 2. with D. Edidin, A. Kresch and A. Vistoli, Brauer groups and quotient stacks, Amer. J. Math., **123** (2001), No. 4, 761–777. MR**1844577 (2002f:14002)**; 3. Moduli spaces of weighted pointed stable curves, Adv. Math., **173** (2003), No. 2, 316–352. MR**1957831 (2004b:14040)**; 4. with Y. Tschinkel, Weak approximation over function fields, Invent. Math., **163** (2006), No. 1, 171–190. MR**2208420 (2007b:14109)**; 5. Introduction to Algebraic Geometry, Cambridge University Press, Cambridge, 2007. MR**2324354 (2008d:14001)**.

Statement by Candidate: It is rare for me to pass a day without using MathSciNet, reading an AMS journal or consulting the AMS website for information about our profession. Given the impact of the AMS on my academic life, I would be honored to participate in its Council as a Member at Large.

David Marker



LAS Distinguished Professor, Department of Mathematics, Statistics, and Computer Science, University of Illinois at Chicago.

Born: January 29, 1958, Schenectady, NY.

Ph.D.: Yale University, 1983.

AMS Committees: Committee on Publications, 2012–present.

Selected Addresses: Invited Address, AMS Regional Meeting, Stillwater, Oklahoma, 1994; Invited Address, Annual Meeting, Mathematical Society of Japan, Nagoya, 1998; Invited Address, European Summer Meeting, Association of Symbolic Logic, Paris, 2000; Invited Address, Canadian Math. Society, Summer Meeting, Calgary, June, 2006; Invited Address, Annual Meeting, Association for Symbolic Logic, UC Irvine, March, 2008.

Additional Information: NSF Postdoctoral Research Fellowship, 1983–1985; AMS Centennial Research Fellowship, 1994–1996; UIC Award for Excellence in Teaching, 2004; Association for Symbolic Logic Shoenfield Prize, 2008; UIC Graduate Mentoring Award, 2010; Department Head UIC, 2007–2011. Editorial Boards: Journal of Symbolic Logic, 1994–2000; Notre Dame Journal of Formal Logic, 1996–present; Annals of Pure and Applied Logic, 1998–2009; Archive for Mathematical Logic, 2004–2009; Association for Symbolic Logic Lecture Notes in Logic, Managing Editor, 2005–2008.

Selected Publications: 1. Semialgebraic expansions of **C**, Trans. Amer. Math. Soc., **320** (1990), No. 2, 581–592. MR**0964900 (90k:03034)**; 2. with L. van den Dries and A. Macintyre, The elementary theory of restricted analytic fields with exponentiation, Ann. of Math. (2), **140** (1994), No. 1, 183–205. MR**1289495 (95k:12015)**; 3. with L. van den Dries and A. Macintyre, Logarithmic-exponential power series, J. London Math. Soc. (2), 56 (1997), No. 3, 417–434. MR**1610431 (99d:03063)**; 4. with D. Macpherson and C. Steinhorn, Weakly o-minimal structures and real closed fields, Trans. Amer. Math. Soc., **352** (2000), No. 12, 5435–5483. MR**1781273 (2001i:03079)**; 5. Model Theory. An Introduction, Graduate Texts in Mathematics, volume 217, Springer-Verlag, New York (2002). MR**1924282 (2003e:03060)**.

Statement by Candidate: As a member of the AMS Council I would work to improve training and opportunities for graduate students and early career mathematicians, keeping in mind the current employment climate. I also feel that it is vital to communicate better with the public and the government the importance and centrality of mathematics. As a former department head, I also understand the importance of spreading our message throughout the higher education community. It would be a great honor to serve the association as a Council member.

Nataša Pavlović

Associate Professor of Mathematics, University of Texas at Austin.

Born: April 2, 1974, Sarajevo, Bosnia and Herzegovina.

Ph.D.: University of Illinois, Chicago, 2002.

AMS Committees: Committee on Committees, 2011–2013.

Selected Addresses: Invited Speaker, 8th Rivière-Fabes Symposium on Analysis and PDE, University of Minnesota, April, 2005; Invited Speaker, AWM and MSRI workshop, Women in Mathematics: The Legacy of Ladyzhenskaya and Oleinik, MSRI, Berkeley, CA, May 18–20, 2006; Invited Hour Address, AMS Sectional Meeting, Hoboken, NJ, April 15–16, 2007; Invited Speaker, RIMS Workshop, Well-posedness and Scattering for Nonlinear Dispersive and Wave Equations, Hokkaido University, Japan, November 23–25, 2009; Invited Speaker, RIMS Workshop, Nonlinear Dispersive Equations, Kyoto University, Japan, November 27, 2009.

Additional Information: Clay Mathematics Institute Summer Fellowship, Special Research Project, summer 2002; Member, Institute for Advanced Study, 2003–2004; Co-director, Graduate Studies, Department of Mathematics, Princeton University, 2005–2007; Alfred P. Sloan Research Fellowship, 2008–2010; John R. Durbin Teaching Excellence in Mathematics Award, Department of Mathematics, University of Texas at Austin, 2009; College of Natural Sciences Teaching Excellence Award, University of Texas at Austin, 2010.

Selected Publications: 1. with N. H. Katz, A cheap Caffarelli-Kohn-Nirenberg inequality for the Navier-Stokes equation with hyper-dissipation, Geom. Funct. Anal., 12 (2002), No. 2, 355–379. MR**1911664 (2003e:35243)**; 2. with S. Friedlander, Blowup in a three dimensional vector model for the Euler equations, Comm. Pure Appl. Math.,

57 (2004), No. 6, 705–725. MR**2038114 (2005c:35241)**; 3. with D. De Silva, G. Staffilani and N. Tzirakis, Global well-posedness for a periodic nonlinear Schrödinger equation in 1D and 2D, Discrete Contin. Dyn. Syst., **19** (2007), No. 1, 37–65. MR**2318273 (2008g:35191)**; 4. with J. Bourgain, Ill-posedness of the Navier-Stokes equations in a critical space in 3D, J. Funct. Anal., **255** (2008), No. 9, 2233–2247. MR**2473255 (2010g:35222)**; 5. with T. Chen and N. Tzirakis, Energy conservation and blowup of solutions for focusing Gross-Pitaevskii hierarchies, Ann. Inst. H. Poincaré Anal. Non linéaire, **27** (2010), No. 5, 1271–1290. MR**2683760 (2011i:82034)**.

Statement by Candidate: If elected, I will be delighted to serve as a Member at Large of the AMS Council. I will try to bring to the attention of the Council concerns of our colleagues at various stages of their careers, including e.g. promotion of early-career mathematicians, retention of members of less represented groups in our profession and addressing issues related to funding of mathematical research. I will listen to fellow mathematicians and will work hard with the Council to represent interests of the mathematical community.

Amber L. Puha

Professor of Mathematics, California State University, San Marcos.

Ph.D.: University of California, Los Angeles, 1998.

AMS Committees: IMS Representative, Joint Committee on Women in the Mathematical Sciences, 2011–present.

Selected Addresses: 10th Anniversary Program for Women in Mathematics Reunion Celebration, Institute for Advanced Study, Princeton, 2003; Southern California Probability Symposium, UCI, 2007; Workshop in Honor of Thomas M. Liggett's 65th Birthday, Peking University, Beijing, 2009; Recent Trends in Probability and Related Fields Session, AMS Sectional Meeting, UCLA, 2010.

Additional Information: University of California Office of the President Postdoctoral Fellowship, UCSD, 1998–1999; National Science Foundation Mathematical Sciences Postdoctoral Fellow, UCSD, 2000–2001, spring 2002; Associate Director, Institute for Pure and Applied Mathematics (IPAM), UCLA, 2009–2011. Awards: National Project NExT (New Experiences in Teaching) Fellow, 2001; National Science Foundation Research at Undergraduate Institutions Grant, 2005; National Security Agency Young Investigators Grant, 2005–2007; The Applied Probability Society of INFORMS Best Publication Award, 2007; Greater San Diego Area Mathematics Council Outstanding Post Secondary Mathematics Teacher, 2009. Member: Institute of Mathematical Statistics, 1997–2012, Bernoulli Society for Mathematical Statistics and Probability, 2001–2012, Applied Probability Society of INFORMS, 2005–2012, INFORMS, Institute for Operations Research and the Management Science, 2008–2012.

Publications: 1. with H. C. Gromoll and R. Williams, The fluid limit of a heavily loaded processor sharing queue, Ann. Appl. Probab., **12** (2003), 797–859. MR**1925442 (2003h:60135)**; 2. with R. Williams, Invariant states and rates of convergence for a critical fluid model of a processor sharing queue, Ann. Appl. Probab., **14** (2004), 517–554. MR**2052894 (2004m:60211)**; 3. with A. Stolyar and R. Williams, The fluid limit of an overloaded processor sharing queue, Math. Oper. Res., **31** (2006), 316–350. MR**2234000 (2007d:60057)**; 4. with D. Down and H. C. Gromoll, Fluid limits for shortest remaining processing time queues, Math. Oper. Res., **34** (2009), 880–911. MR**2573501 (2010m:60316)**; 5. with H. C. Gromoll and L. Kruk, The diffusion limit of an SRPT queue, Stochastic Systems, **1** (2011), 1–16.

Statement by Candidate: I am honored to be nominated for election as a Member at Large on the AMS Council. It would be my pleasure to serve in this capacity. I do not bring a specific agenda to this position. However, I am aware of the need to provide opportunities for young researchers to advance their careers, to promote diversity within the mathematical sciences, to broadly advocate for the importance of mathematics, to support mathematics research and education at all levels, and to continue to advance the profession. The AMS has been a leader on these issues, and I welcome the opportunity to contribute.

Kenneth A. Ribet

Professor of Mathematics, University of California, Berkeley.

Born: June 28, 1948, New York, N.Y.

Ph.D.: Harvard University, 1973.

AMS Committees: Committee on Progress in Mathematics, 1994–1997 (chair, 1996–1997); Committee to Select the Winner of the Cole Prize, 2007–2008 (chair); Committee to Select the Winner of the E.H. Moore Research Article Prize, 2009–2015 (chair, 2012–2013).

Selected Addresses: Congruence relations between modular forms, International Congress of Mathematicians, Warsaw, 1983; Update on Fermat's Last Theorem, AMS-MAA Invited Address, Joint Mathematics Meetings, 1994; Galois representations and modular forms, AMS Progress in Mathematics Lecture, Minneapolis, MN, August, 1994; Modular curves and their twisted analogues, AMS Invited Address, regional meeting, Portland, OR, June, 2002; Non-optimal levels of reducible two-dimensional mod l representations of the Galois group of Q, Special Session on Arithmetic Geometry, Joint Mathematics Meetings, 2010.

Additional Information: Fermat Prize, 1989; Election to American Academy of Arts and Sciences, 1997; Ph.D. honoris causa, Brown University, 1998; Election to US National Academy of Sciences, 2000. Editorial boards: Graduate Texts in Mathematics, Undergraduate Texts in Mathematics, Universitext, Springer Monographs in Mathematics, Proceedings of the National Academy of Sciences,

Journal of Number Theory, Mathematics Research Letters, International Journal of Number Theory.
Selected Publications: 1. A modular construction of unramified p-extensions of $Q(\mu_p)$, Invent. Math., **34**, no. 3 (1976), 151–162. MR**0419403 (54#7424)**; 2. On modular representations of $\mathrm{Gal}(\overline{Q}/Q)$ arising from modular forms, Invent. Math., 100, No. 2 (1990), 431–476. MR**1047143 (91g:11066)**; 3. Report on mod l representations of $\mathrm{Gal}(\overline{Q}/Q)$, Motives (Seattle, WA, 1991), Proc. Sympos. Pure Math., **55**, Part 2, Amer. Math. Soc., Providence, RI, 1994, 639–676. MR**1265566 (95d:11056)**; 4. Galois representations and modular forms, Bull. Amer. Math. Soc., **32** (1995), No. 4, 375–402. MR**1322785 (96b:11073)**; 5. with A. Agashe and W. Stein, The modular degree, congruence primes and multiplicity one, (2005).
Statement by Candidate: I usually shy away from applying the word "senior" to myself, but it seems like a relevant word in this context. Over the years, I've learned quite a bit about mathematics and the mathematics community. I've served on the editorial boards of book series and journals; I'm a former member of the US National Committee for Mathematics; I'm a vice chair of my department; I just completed a three-year term as chair of the mathematics section of the US National Academy of Sciences. I hope that whatever information and perspective I've acquired will enable me to give useful advice to the AMS. It would be an honor for me to serve on the Council.

Benjamin Sudakov

Professor of Mathematics, University of California at Los Angeles.
Born: October 1969, Tbilisi, Georgia.
Ph.D.: Tel Aviv University, Israel, 1999.
AMS Committees: Editor of Mathematical Surveys and Monographs series, 2008–2012; University Lecture Series, 2010–2012.
Selected Addresses: Plenary Speaker, AMS Eastern Section Meeting, Annandale-on-Hudson, NY, 2005; Invited Speaker, International Congress of Mathematicians, Hyderabad, India, 2010.
Additional information: Sloan Fellowship, 2004–2006; NSF CAREER Award, 2006–2011. Editorial boards: SIAM Journal on Discrete Mathematics, 2003–present, Journal of Graph Theory, 2004–present, Combinatorica, 2010–present, Journal of Combinatorics, 2010–present, Moscow Journal of Combinatorics and Number Theory, 2010–present, Advances in Mathematics, 2011–present.
Selected publications: 1. with E. Szemeredi and V. Vu, On a question of Erdös and Moser, Duke Math. J., **129** (2005), 129–155. MR**2155059 (2006c:11118)**; 2. with N. Alon and A. Shapira, Additive approximation for edge-deletion problems, Ann. of Math., **170** (2009), 371–411. MR**2521119 (2010h:05284)**; 3. with D. Conlon and J. Fox, An approximate version of Sidorenko's conjecture, Geom. Funct. Anal., **20** (2010), 1354–1366. MR**2738996**; 4. with D. Conlon and J. Fox, Hypergraph Ramsey numbers, J. Amer. Math. Soc., **23** (2010), 247–266. MR**2552253 (2010m:05192)**; 5. A conjecture of Erdös on graph Ramsey numbers, Adv. Math., **227** (2011), 601–609. MR**2782204 (2012b:05176)**.
Statement by Candidate: The AMS plays a key role inpromoting mathematical research, supporting mathematical education and outreach. It would be an honor to contribute to the mission of AMS as a Member at Large of the Council.

Yuri Tschinkel

Professor of Mathematics, Courant Institute, New York University.
Born: May 31, 1964, Moscow, Russia.
Ph.D.: Massachusetts Institute of Technology, 1992.
AMS Committees: Editorial Committee, Bulletin of the AMS, 2006–present; Committee on Committees, 2007–2008.
Selected Addresses: Wolfe Lecture, Rice University, 2005; Kempf Memorial Lectures, Johns Hopkins University, 2005; International Congress of Mathematicians, Madrid, 2006.
Additional Information: Junior Fellow, Harvard Society of Fellows, 1992–1995; Leibniz Fellow of the EC, 1995–1996; Clay Institute Fellow, 2001–2002; Chair, Department of Mathematics, Courant Institute, 2007–2011; Editor-in-Chief, Experimental Mathematics, 2007–present; Scientific Council of the Foundation Sciences Mathématiques de Paris, 2010–present; Editor, Progress in Mathematics, Birkhäuser, 2011–present.
Selected Publications: 1. with J. Franke and Y. Manin, Rational points of bounded height on Fano varieties, Invent. Math., **95** (1989), 421–435. MR**0974910 (89m:11060)**; 2. with B. Hassett, Weak approximation over function fields, Invent. Math., **163** (2006), 171–190. MR**2208420 (2007b:14109)**; 3. with B. Hassett, Log Fano varieties over function fields of curves, Invent. Math., **171** (2008), 7–21. MR**2403393 (2009c:14080)**; 4. with F. Bogomolov, Reconstruction of function fields, Geom. Funct. Anal., **18** (2008), 400–462. MR**2421544 (2009g:11155)**; 5. with B. Hassett, Moving and ample cones of holomorphic symplectic fourfolds, Geom. Funct. Anal., **19** (2009), 1065–1080. MR**2570315 (2011c:14119)**.
Statement by Candidate: It is an honor and privilege to serve the AMS. I will be happy to contribute to its mission by promoting scientific and educational excellence, fairness, diversity, outreach and public awareness.

Nominating Committee

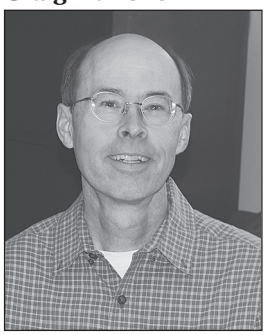
Jeffrey F. Brock
Professor of Mathematics, Brown University; Deputy Director, ICERM.
Born: June 14, 1970, Bronxville, NY.
Ph.D.: University of California, Berkeley.
Selected Addresses: AMS Invited Address, Pittsburgh, PA, 2004; William Thurston's 60th Birthday Conference, Princeton, NJ, 2007; Geometry and Analysis of

Riemann Surfaces and Their Moduli, Scott Wolpert's birthday conference, University of Maryland, College Park, MD, 2010; The 7th William Rowan Hamilton Geometry and Topology Workshop, Dublin, Ireland, 2011; One-hour Invited Speaker, Current Events Bulletin, Joint Mathematics Meetings, Boston, MA, 2012. Additional Information: Alfred P. Sloan Doctoral Dissertation Fellow, U.C. Berkeley, 1996–1997; NSF Postdoctoral Fellow, Stanford University, 1997–2000; Organizer, Kleinian Groups and Teichmüller Theory, MSRI program, 2007; Organizer, Geometry and Dynamics in Surfaces and 3-Manifolds, FRG conference, 2007; John Simon Guggenheim Fellow, 2008.
Selected Publications: 1. Iteration of mapping classes and limits of hyperbolic 3-manifolds, Invent. Math., **143** (2001), No. 3, 523–570. MR**1817644 (2002d:30052)**; 2. The Weil-Petersson metric and volumes of 3-dimensional hyperbolic convex cores, J. Amer. Math. Soc., **16** (2003), No. 3, 495–535. MR**1969203 (2004c:32027)**; 3. with K. Bromberg, On the density of geometrically finite Kleinian groups, Acta Math., **192** (2004), No. 1, 33–93. MR2**079598 (2005e:57046)**; 4. with K. Bromberg, Geometric inflexibility and 3-manifolds that fiber over the circle, J. Topol., **4** (2011), No. 1, 1–38. MR**2783376**; 5. with R. Canary and Y. Minsky, The classification of Kleinian surface groups, II: The Ending Lamination Conjecture, Ann. Math., to appear.
Statement by Candidate: It would be an honor and a privilege for me to serve on the Nominating Committee for the American Mathematical Society. If elected, I will take a broad view of the role of mathematics in society and make every effort to apply this view to nominations for critical elected positions at the AMS. I look forward to the opportunity to play a role in the future emphasis and focus of its efforts in promoting the importance of mathematics nationally and internationally.

John B. Etnyre

Professor of Mathematics, Georgia Institute of Technology.
Born: April 10, 1968, Calgary, Alberta, Canada.
Ph.D.: University of Texas, 1996.
AMS Committees: Southeastern Section Program Committee, 2009–2011 (chair, 2010–2011).
Selected Addresses: Georgia International Topology Conference, University of Georgia, Athens, 2001; Invited Address, AMS Regional Meeting, Courant Institute, New York, 2003; Cornell Topology Festival, Cornell University, Ithaca, 2004; Lecture Series, Park City Math Institute, Park City, 2006; Lecture Series, Seville University, Seville, 2011.
Additional Information: Co-organizer, half-year program in Low Dimensional Contact Geometry, Stanford University and the American Mathematical Institute, 2000; Co-managing editor, Algebraic and Geometric Topology, 2007–present; Co-organizer, MSRI Summer Graduate Workshop, Mathematical Sciences Research Institute, Berkeley, CA, 2009; Co-organizer, MSRI year-long program in Contact and Symplectic Geometry and Topology, Mathematical Sciences Research Institute, Berkeley, CA, 2009–2010; National Science Foundation's Committee of Visitors for the DMS, 2010; Graduate Coordinator at the Georgia Institute of Technology, Summer 2012–present.
Selected Publications: 1. with K. Honda, On the nonexistence of tight contact structures, Ann. of Math., **153** (2001), No. 3, 749–766. MR**1836287 (2002d:53119)**; 2. with K. Honda, Tight contact structures with no symplectic fillings, Invent. Math., **148** (2002), No. 3, 609–626. MR**1908061 (2003c:57025)**; 3. with K. Honda, Cabling and transverse simplicity, Ann. of Math., **162** (2005), 1305–1333. MR**2179731 (2006j:57051)**; 4. with T. Ekholm and J. Sabloff, A duality exact sequence for Legendrian contact homology, Duke Math. J., **150** (2009), 1–75. MR**2560107 (2011b:53214)**; 5. with R. Komendarczyk and P. Massot, Tightness in contact metric 3-manifolds, Invent. Math., to appear.
Statement by Candidate: It is an honor to be nominated for this committee. If elected I will do my best to help strengthen the AMS by bringing a large, diverse slate of candidates to the AMS members for their consideration.

Craig Huneke



Professor of Mathematics, University of Virginia.
Ph.D.: Yale University, 1978.
AMS Committees: AMS/NSA Grant Committee, 1992–1994, 1996–1998; AMS Committee on Meetings and Conferences, 2002–2005; AMS Committee to Select the Winner of the Steele Prize, 2003–2006; Committee to Select the Winner of the Cole Prize, 2005–2006; Council of the AMS, 2006–2009; AMS Committee on the Profession, 2006–2009 (chair, 2008–2009); Executive Committee of the AMS, 2008–2012; AMS Secretary Search Committee, 2011.
Selected Addresses: Invited Hour Talk, AMS regional meeting, Knoxville, 1988; Invited Address, International Congress of Mathematics, Kyoto, Japan, 1990; Principal Speaker, NSF-CBMS Conference on Tight Closure, North Dakota St. Univ., 1995; Mid-Atlantic Algebra Speaker, 2000; GATA Lectureship, University of Sheffield, 2007.

Selected Publications: 1. with B. Ulrich, The structure of linkage, Ann. of Math., (2) **126** (1987), No. 2, 277–334. MR**0908149 (88k:13020)**; 2. with M. Hochster, Tight closure, invariant theory, and the Briancon-Skoda theorem, J. Amer. Math. Soc. 3 (1990), No. 1, 31–116. MR**1017784 (91g:13010)**; 3. Uniform bounds in Noetherian rings, Invent. Math., **107** (1992), No. 1, 203–223. MR**1135470 (93b:13027)**; 4. with M. Hochster, Comparison of symbolic and ordinary powers of ideals, Invent. Math., **147** (2002), No. 2, 349–369. MR**1881923 (2002m:13002)**; 5. with I. Swanson, Integral Closure of Ideals, Rings, and Modules, London Mathematical Society Lecture Note

Series, 336, Cambridge University Press, Cambridge, 2006. MR**2266432 (2008m:13013)**.

Statement: I am honored to be considered for election to the Nominating Committee. This committee has the important function of finding good people to stand for election to several of the offices and committees vital to the mission of the AMS. I believe I can contribute to this purpose.

Ken Ono

Asa Griggs Candler Professor of Mathematics and Computer Science, Emory University.

Born: March 20, 1968, Philadelphia, Pennsylvania.

Ph.D.: UCLA, 1993.

AMS Offices: Member at Large of the Council, 2006–2009.

AMS Committees: Editorial Board, Proceedings of the American Mathematical Society, 2005–present; Associate Editor of Book Reviews, Bulletin of the American Mathematical Society, 2005–present; Committee on Publications, 2006–2009 (chair, 2008); Managing Editor, Proceedings of the American Mathematical Society, 2010–present; AMS Working Group on Graduate Education, 2011–present.

Selected Addresses: AMS Invited Address, Lawrence, Kansas, 2001; NSF-CBMS Lectures, Urbana-Champaign, Illinois, 2003; Harvard-MIT Current Developments in Mathematics, 2008; AMS Invited Address, Joint Mathematics Meetings, Washington, DC, 2009; AMS Memorial Erdös Address, Tucson, Arizona, 2012.

Additional Information: Organized NSF REU annually since 2003; Member: Institute for Mathematics and Education Advisory Board, 2006–present, Banff International Research Station Advisory Board, 2009–present, US National Committee for Mathematics, US National Academy of Science, 2010–present. Facilitator/Sponsor of the AMS Who Wants to be a Mathematician outreach program.

Selected Publications: 1. with C. Skinner, Fourier coefficients of half-integral weight modular forms modulo l, Ann. of Math., **147** (1998), 453–470. MR**1626761 (99f:11059a)**; 2. with W. Kohnen, Indivisibility of class numbers of imaginary quadratic fields and orders of Tate-Shafarevich groups of elliptic curves with complex multiplication, Invent. Math., **135** (1999), 387–398. MR**1666783 (2000c:11087)**; 3. Distribution of the partition function modulo m, Ann. of Math., **151** (2000), 293–307. MR**1745012 (2000k:11115**); 4. with K. Bringmann, Dyson's ranks and Maass forms, Ann. of Math., **171** (2010), 419–449. MR**2630043 (2011e:11165)**; 5. with J. H. Bruinier, Heegner divisors, *L*-functions and harmonic weak Maass forms, Ann. of Math., **172** (2010), 2135–2181. MR**2726107 (2012c:11101)**.

Statement by Candidate: After nearly twenty years as a professional mathematician, I can genuinely say that I still love mathematics. Actually, I love mathematics much more than I did as a student (certainly one who was worried about passing qualifying exams). I enjoy the research, the training, and the fact that mathematicians continue to prove mindblowing theorems. I have had a wonderful time serving the AMS and the wider mathematical community through my various roles as an educator, mentor, policy maker, and spokesperson. I am delighted that President Friedlander has nominated me as a candidate for election to the AMS Nominating Committee. This committee is charged with the important task of selecting members to serve the Society in its various professional missions. I think that I possess the skills (experience, enthusiasm, and sound judgement) that this position requires. It would be a great honor to serve the AMS in this capacity.

Amie Wilkinson

Professor of Mathematics, University of Chicago.

Born: April 4, 1968, Boston, MA.

Ph.D.: University of California, Berkeley, 1995.

AMS Committees: Transactions of the AMS, 2006–2007; Program Committee for National Meetings, 2011–2014.

Selected Addresses: AMS Invited Address, Western Sectional Meeting, Salt Lake City, UT, 2002; Invited Address, SIAM Conference on Applications of Dynamical Systems, Snowbird, UT, 2005; AMS Invited Address, AMS-SBM Joint Meeting, Rio de Janeiro, 2008; AMS Invited Address, Joint Mathematics Meetings, San Francisco, CA, 2010; Invited Address on Dynamical systems and ordinary differential equations, International Congress of Mathematicians, Hyderabad, 2010.

Additional Information: Ruth Lyttle Satter Prize, 2011.

Selected Publications: 1. with M. Shub, Pathological foliations and removable zero exponents, Invent. Math. **139** (2000), 495–508. MR**1738057 (2001c:37030)**; 2. with L. Burslem, Global rigidity of solvable group actions on S1, Geom. Topol., **8** (2004), 877–924. MR**2087072 (2005g:37052)**; 3. with C. Bonatti and S. Crovisier, The C1 generic diffeomorphism has trivial centralizer, Publ. Math. Inst. Hautes Etudes Sci., **109** (2009), 185–244. MR**2511588 (2010g:37035**); 4. with K. Burns, On the ergodicity of partially hyperbolic systems, Ann. of Math. **171** (2010), 451–489. MR**2630044 (2011g:37075)**; 5. with K. Burns and H. Masur, The Weil-Petersson geodesic flow is ergodic, Ann. of Math., **175** (2012), 835–908.

Statement by Candidate: In serving the AMS, I am committed to representing the broad base of mathematicians in the society, across mathematical disciplines, geographic areas, gender and orientation, and ethnic and socioeconomic backgrounds.

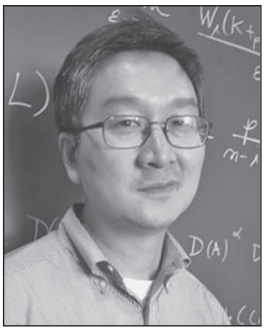
Deane Yang

Professor of Mathematics, Polytechnic Institute of New York University.

Born: September 24, 1957, Philadelphia, PA.

Ph.D.: Harvard University, 1983.

Selected Addresses: First Annual Geometry Festival, University of Pennsylvania, 1984; Invited Hour Address, AMS Meeting, South Bend, Indiana, 1991.

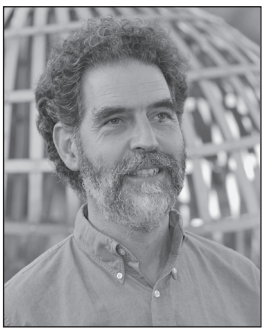


Selected Publications: 1. with E. Lutwak and G. Zhang, Lp affine isoperimetric inequalities, J. Differential Geom., **56** (2000), 111–132. MR**1863023 (2002h:52011)**; 2. with E. Lutwak and G. Zhang, Cramér-Rao and moment-entropy inequalities for Renyi entropy and generalized Fisher information, IEEE Trans. Inform. Theory, **51** (2005), 473–478. MR**2236062 (2008a:94056)**; 3. with E. Lutwak and G. Zhang, Optimal Sobolev norms and the Lp Minkowski problem, Int. Math. Res. Not. (2006), 1–21. MR**2211138 (2007d:52007)**; 4. with E. Lutwak and G. Zhang, Volume inequalities for isotropic measures, Amer. J. Math., **129** (2007), 1711–1723. MR**2369894 (2008k:52010)**.

Statement by Candidate: I am honored to have been asked to be a candidate for the AMS Nominations Committee. If elected, I will work together with the other members of the committee to find the best possible candidates for the Society. Today, with the growing widespread use of mathematics in industry and society, there is an unprecedented opportunity for the AMS to lead and mobilize the mathematical community in many important directions. We will succeed in this, only if we are able to identify and convince people with ideas, energy, and dedication to serve as officers of the AMS.

Editorial Boards Committee

Walter Craig



Professor and Canada Research Chair, McMaster University.

Born: November 28, 1953, State College, Pennsylvania.

Ph.D.: Courant Institute, New York University, 1981.

AMS Committees: Member at Large of the Council, 2000–2003; Committee on the Profession, 2001–2004 (chair, 2003–2004); Committee on Committees, 2003–2005; Executive Committee, 2003–2006.

Selected Addresses: Symposium, Tsunamis and Their Human Impact, AAAS annual meeting, St. Louis, Feb. 19, 2006; FRSC Lectures, Fields Institute, March 25, 2008; Conference, Wave Turbulence, Institut Henri Poincaré, November 19, 2009; Joint Zürich-Bonn-Paris-Berkeley Colloquium, Partial differential equations, Universität Zürich, April 14, 2010; Dynamics and partial differential equations, Convocazione della Accademia Lincei, Rome, Italy, October 14, 2011.

Additional Information: Honors: Alfred P. Sloan Fellowship, 1988; NSF Presidential Young Investigator, 1988–1993. Fellow: Fields Institute, 2005; Royal Society of Canada, 2007; American Association for the Advancement of Science, 2008; Killam Research Fellowship, 2009–2011. Fields Institute, Toronto: Scientific Advisory Panel, 2000–2005, Nominations Committee, 2001–2005, Board of Directors, 2009–2012. Centre de Recherches Mathématiques, Montreal: Comite Consultatif, 2001–2005. Pacific Institute for the Mathematical Sciences, Vancouver: Scientific Review Panel, 2007–2013. Member: Canadian Mathematical Society, London Mathematical Society, Canadian Society of Applied and Industrial Mathematics, American Association for the Advancement of Science.

Selected Publications: 1. with C. E. Wayne, Newton's method and periodic solutions of nonlinear wave equations, Comm. Pure Appl. Math., **46** (1993), 1409–1501. MR**1239318 (94m:35023)**; 2. with T. Kappeler and W. Strauss, Microlocal dispersive smoothing for the Schrödinger equation, Comm. Pure Appl. Math., **48** (1995), 769–860. MR**1361016 (96m:35057)**; 3. Problèmes de petits diviseurs dans les équations aux dérivées partielles, Panaromas et Syntheses, **9**, Société Mathématique de France, Paris (2000). MR**1804420 (2002e:37121)**; 4. with M. Arnold, On the size of the Navier-Stokes singular set, Discrete Contin. Dyn. Syst., **28** (2010), No. 3, 1165–1178. MR**2644785 (2011d:35360)**; 5. with A. Biryuk, Bounds on Kolmogorov spectrum for the Navier-Stokes equations, ArXiv-0807.4505, math-physics, Physica D (2011), 10.1016/j.physd.2011.10.013.

Statement by Candidate: I am a candidate for the AMS Editorial Boards Committee. This committee plays a role in the mathematics publishing enterprise of the Society and has an influence on the quality and standards of what we publish. This is one of my professional concerns and this committee is a venue in which I feel that I could help. The scientific publishing world is undergoing a slow but inexorable change with the advent of the ArXiv, electronic journals, the economic pressures from large commercial publishers on universities, electronic rather than paper distribution of monographs, the advent of open access publishing agreements, and the increasing numbers of globally located low-overhead publishing companies. Some of these changes are definite improvements in the way we disseminate our work, and should be encouraged. Other trends are less clearly so, and it would be a benefit to the mathematics community to understand the difference. The AMS can play a leading role in these changes, shepherding them towards the good. And the AMS Editorial Boards Committee can play a small part in this effort.

Jonathan I. Hall

Professor of Mathematics, Michigan State University, East Lansing, Michigan.

Born: October 20, 1949, Columbus, Ohio.

Ph.D.: University of Oxford, 1974.

AMS Committees: Council, 2006–2010; Archives Committee, 2011–2014; Editorial Boards Committee, 2012–2013; Committee for Publications, 2012–2013.

Selected Addresses: Invited Address, AMS Meeting, Dayton, 1992; Class of 1960 Lecturer, Williams College, 2001; Invited Lecturer, Sociedad Matemática Mexicana, XXXIV Congreso Nacional, Toluca,

2001; Main Speaker, Finite Groups and Algebraic Combinatorics, RIMS, Kyoto, 2007; Main Speaker, Workshop Loops '11, Czech Republic, 2011.
Additional Information: Editor, Journal of Combinatorial Theory (Series A), 1991–present; Chairman, Department of Mathematics, Michigan State University, 1994–1997; J. S. Frame Teaching Award, Michigan State University, 2000, 2012; Mathematical Reviews Editorial Committee, 2001–2010, (chair, 2006–2010); Proceedings of the American Mathematical Society Editorial Committee, 2003–2011. Member: Institute of Electrical and Electronics Engineers, London Mathematical Society.
Selected Publications: 1. Classifying copolar spaces and graphs, Quart. J. Math. Oxford Ser., **33** (1982), 421–449. MR**0679813 (84b:51021)**; 2. with P. J. Cameron, Some groups generated by transvection subgroups, J. Algebra, **140** (1991), 184–209. MR**1114913 (92g:20078)**; 3. with H. Cuypers, The 3-transposition groups with trivial center, J. Algebra, **178** (1995), 149–193. MR**1358261 (96k:20056)**; 4. with S. M. Gagola III, Lagrange's theorem for Moufang loops, Acta Sci. Math. (Szeged), **71** (2005), 45–64. MR**2160355 (2006f:20079)**; 5. Periodic simple groups of finitary linear transformations, Ann. of Math., **163** (2006), 445–498. MR**2199223 (2006k:20080)**.
Statement by Candidate: The main contact the Society has with present and future mathematicians is through its publications. It is vital that publication quality and value remain high, and good editorial committees are essential for this. If elected, I will look for editors who are responsible, ethical, knowledgeable, and energetic. The goal would be broad, diverse, and highly capable editorial committees that are committed to the quality and success of each publication. In pursuing this goal, I will be greatly aided by my experience as a current member of the Editorial Boards Committee and the Committee for Publications, as well as my recent service on two other AMS editorial committees.

Walter D. Neumann

Professor of Mathematics, Barnard College, Columbia University.
Born: January 1, 1946, Caerphilly, Wales, UK.
Ph.D.: Rheinische Friedrich-Wilhelms-Universitaet, Bonn, 1969.
AMS Committees: Transactions and Memoirs of the AMS (topology editor), 1982–1985; Council, 1982–1985; Nominating Committee, 1991–1993.
Selected Addresses: Coble Lectures, UIUC, 2003; Arbeitstagung 50 year Jubiläum, MPIM Bonn, 2007; AMS Invited Address, Worcester, MA, 2011; Plenary Lecture, Resolution of singularities and related topics, in honor of the 80th birthday of Heisuke Hironaka, Tordesillas, Spain, 2011; Plenary Lecture, Topology Down Under (conference in honor of Hyam Rubinstein), Melbourne, Australia, 2011.
Additional Information: Member, European Academy of Sciences, 2002–present; Managing Editor, Geometry & Topology; Editorial board member: Experimental Mathematics, Illinois J. Math, Proceedings Edinburgh Maths. Soc., Electronic Research Announcements in the Mathematical Sciences, Ohio State Univ. Math. Research Institute Publications (de Gruyter), de Gruyter Expositions in Mathematics; Board of Directors, Mathematical Sciences Publishers, Berkeley.
Selected Publications: 1. with D. Eisenbud, Three-dimensional Link Theory and Invariants of Plane Curve Singularities, Annals of Mathematics Studies, **110**, Princeton University Press, Princeton, NJ (1985). MR**0817982 (87g:57007)**; 2. with L. Reeves, Central extensions of word hyperbolic groups, Ann. of Math., (2) **145** (1997), 183–192. MR**1432040 (98b:20059)**; 3. Extended Bloch group and the Cheeger-Chern-Simons class, Geom. Topol., **8** (2004), 413–474. MR**2033484 (2005e:57042)**; 4. with J. Wahl, The end curve theorem for normal complex surface singularities, J. Eur. Math. Soc. (JEMS), **12** (2010), No. 2, 471–503. MR**2608949**; 5. with J. Behrstock, Quasi-isometric classification of nongeometric 3-manifold groups, J. Reine Angew. Math. (Crelle's journal), DOI 10.1515/CRELLE.2011.143.
Statement by Candidate: I am a member of seven editorial boards, including Geometry & Topology, Illinois J. Math., Experimental Mathematics, and former member of several others, including Transactions of the AMS and of Memoirs of the AMS. The AMS aims to publish journals of the highest quality in mathematical research at reasonable prices. I am a founding member of the Board of Directors of the Berkeley based nonprofit corporation, "Mathematical Sciences Publishers," which provides support for many journals, including AMS journals, PJM, Annals of Math. and its own journals such as G&T, AGT, ANT. Its mission "to transform scientific publishing into an industry that helps rather than hinders scholarly activity" strongly overlaps the publishing mission of the AMS.

Edward Scheinerman

Professor of Applied Mathematics & Statistics, Johns Hopkins University.
Born: May 24, 1957, Rochester, NY.
Ph.D.: Princeton University, 1984.
Selected Addresses: AMS/MAA Invited Speaker, Joint Mathematics Meetings, Baltimore, January, 2003; Invited Speaker, Sixth "Hereditarnia" Workshop on Hereditary Properties of Graphs, Kosice, Slovakia, June, 2003; IPAM Workshop on Extraction of Intelligence from Graphs and High Dimensional Data, Los Angeles, July, 2005; Invited Speaker, SIAM Minisymposium, SIAM National Meeting, Denver, July, 2009; MAA Invited Speaker and Session Organizer, Joint Mathematics Meetings, New Orleans, January, 2011.
Additional Information: Lester R. Ford Award (for mathematical exposition), 1991, 2001. Journal of Graph Theory: Managing Editor, 1993–1999, Editorial Board Member, 1999–present. American Mathematical Monthly: Editorial Board Member, 1993–present, Notes Editor, 2006–2011.

Electronic Journal of Combinatorics, Guest Editor for special issue, 1999–2001. Author of five mathematics books including two text books and one research monograph.

Selected Publications: 1. When close enough is close enough, Amer. Math. Monthly, **107** (2000), 489–499. MR**1766736 (2001j:11067)**; 2. Determining planar location via complement-free de Bruijn sequences using discrete optical sensors, IEEE Transactions on Robotics and Automation, **17** (2001), No. 6, 883–889; 3. with E. Reilly, Random threshold graphs, Electron. J. Combin., **16** (2009). MR**2558267 (2011a:05319)**; 4. with K. Tucker, Modeling graphs using dot product representations, Comput. Statist., **25** (2010), 1–6. MR**2586721**; 5. with R. Kang, L. Lovász, and T. Müller, Dot product representations of planar graphs, Electron. J. Combin., **18** (2011), [P216]. MR**2853073**.

Statement by Candidate: Professional societies must play a leading role in all forms of publication as commercial publishers are too expensive and their profits do not support the community.