

**Annual Report of the ACM Awards Committee
July 1, 2021 - June 30, 2022**

List of Award Committee Members and Terms of Office

		<u>Term</u>	
		<u>Start</u>	<u>End</u>
Co-Chairs			
John	White	7/1/2016	6/30/2023
Roy	Levin	7/1/2019	6/30/2023
Awards Sub-Committee Members			
Gregory	Abowd	1/26/21	6/30/24
Anastasia	Ailamaki	9/18/19	6/30/22
Noga	Alon	8/17/20	6/30/22
Victor	Bahl	3/9/20	12/31/23
Suman	Banerjee	8/18/20	7/29/21
Stefano	Basagni	5/10/21	12/31/24
David	Basin	3/9/20	12/31/23
Jake	Baskin	1/30/19	12/31/22
Shuvra	Bhattacharyya	8/18/20	7/29/21
George	Biros	3/27/18	12/31/21
Taisuke	Boku	4/16/21	12/31/24
Eric	Brewer	7/1/16	6/30/2024
Eric	Brewer	9/25/18	6/30/22
Rodney	Brooks	7/1/18	6/30/23
Donna	Cappo	10/4/18	7/31/22
Miguel	Castro	7/1/21	6/30/25
Barbara	Chapman	5/18/21	12/31/24
Kamalika	Chaudhuri	1/26/21	6/30/23
Surajit	Chaudhuri	7/1/21	6/30/26
Tanzeem	Choudhury	5/19/21	12/31/24
Edmond	Chow	3/16/20	12/31/21
Elizabeth	Churchill	1/26/21	10/28/21
Albert	Cohen	2/3/20	12/31/22
Lorrie	Cranor	7/24/20	6/30/24
Patricia	Damkroger	5/3/21	12/31/25
Ewa	Deelman	3/25/20	12/31/23
Jack	Dongarra	5/3/21	12/31/21
Peter	Druschel	7/1/21	6/30/25
Susan	Dumais	7/1/21	6/30/23
Matthew	Dwyer	3/9/20	7/31/22
Natalie	Enright Jerger	5/24/21	12/31/23
Jasmin	Fisher	7/1/21	6/30/25
Geraldine	Fitzpatrick	1/1/19	12/31/21

Camille	Fournier	9/22/19	6/30/23
Michael	Franklin	5/3/21	12/31/25
Fabrizio	Gagliardi	1/26/21	6/30/24
Judith	Gal-Ezer	9/13/19	6/30/23
Wen	Gao	1/1/21	12/31/21
	Gardner-		
Christina	Mccune	2/28/20	12/31/23
Michael	Gerndt	2/9/21	12/31/24
Shafi	Goldwasser	7/1/17	6/30/2022
Rajesh	Gupta	2/14/18	12/31/22
Kim	Hazelwood	2/3/20	12/31/22
Katrin	Heitmann	3/27/18	12/31/21
Harry	Hochheiser	9/11/19	6/30/23
Jeff	Hollingsworth	4/22/19	12/31/21
Eric	Horvitz	10/4/18	7/31/22
Ayanna	Howard	7/24/20	6/30/24
Furong	Huang	8/18/20	7/29/21
David	Kaeli	3/30/21	12/31/23
Kyratso	Karahalios	10/5/18	6/30/22
Dina	Katabi	7/1/18	6/30/22
Alan	Kay	9/27/18	6/30/22
Lorraine	Kisselburgh	9/11/19	6/30/23
Jon	Kleinberg	10/4/18	7/31/22
Tamara	Kolda	3/12/20	12/31/23
Vipin	Kumar	1/26/21	6/30/24
Ignacio	Laguna	3/25/20	12/31/23
Butler	Lampson	7/1/16	6/30/2024
Butler	Lampson	9/24/18	6/30/22
James	Larus	1/1/21	12/31/21
Lillian	Lee	9/13/19	6/30/23
Gail	Murphy	7/1/18	6/30/2022
Dahlia	Malkhi	8/17/20	6/30/26
Robin	Murphy	10/5/18	6/30/22
Jennifer	Neville	10/15/18	7/31/21
Andreas	Nowatzyk	8/17/20	6/30/26
Nuria	Oliver	5/3/21	12/31/25
David	Padua	3/27/20	12/31/22
Gopal	Pandurangan	8/18/20	7/29/21
Mark	Parsons	2/8/21	12/31/21
Madhusudan	Parthasarathy	8/18/20	7/29/21
Shwetak	Patel	8/13/20	6/30/24
David	Patterson	10/4/18	7/30/22
Li-Shiuan	Peh	3/27/20	12/31/22
Radia	Perlman	8/17/20	6/30/24
Adrian	Perrig	3/13/20	12/31/23

Timothy	Pinkston	8/17/20	6/30/24
Lucian	Popa	8/30/18	12/31/21
Abdul	Quamar	8/18/20	7/29/21
Anup	Rao	8/20/20	7/29/21
S.	Ravi	8/18/20	7/29/21
Daniel	Reed	4/22/19	12/31/21
Jennifer	Rexford	8/13/20	6/30/22
Yves	Robert	4/30/21	12/31/21
Susan	Rodger	8/17/20	6/30/24
Susan	Rodger	6/19/19	12/31/21
David	Rosenblum	3/2/21	7/1/21
Dan	Rubenstein	1/26/21	6/30/23
Daniela	Rus	3/3/19	12/31/23
Martin	Schulz	1/5/20	1/1/22
Bart	Selman	2/14/18	12/31/22
Margo	Seltzer	8/17/20	6/30/25
Srinivasan	Seshan	1/26/21	6/30/24
Andre	Seznec	2/13/19	12/31/21
Len	Shustek	7/1/21	6/30/25
Stuart	Shapiro	7/2/19	6/30/22
Joseph	Sifakis	8/30/17	6/30/22
Alexander	Smola	10/4/18	7/31/22
Aravind	Srinivasan	8/18/20	7/29/21
Venkatesh	Srinivasan	8/18/20	7/29/21
Per	Stenstrom	1/1/19	12/31/21
Kenjiro	Taura	5/4/18	12/31/21
John	Taylor	3/10/20	12/31/23
Rajeev	Thakur	3/17/20	12/31/23
Mikkel	Thorup	1/1/21	12/31/21
Srikanta	Tirthapura	8/19/20	7/29/21
Moshe	Vardi	7/1/21	6/30/22
Manuela	Veloso	7/1/21	6/30/26
Alicia	Washington	7/1/20	6/30/24
Jeannette	Wing	7/1/19	6/30/23
Alexander	Wolf	1/1/21	12/31/21

Purpose of the Committee

The Awards Committee is responsible for the conduct of the current awards, prizes, fellowships, advanced member grades, and other honors bestowed by ACM as an organization. These responsibilities include providing recommendations for appointments to award subcommittees (ACM membership is required, and approval is by the ACM Awards Committee Co-Chairs) soliciting nominees, selecting winners from among the nominees, arranging for the formal conferring of the awards, and exploring possibilities for funding awards with outside organizations.

The Committee is further responsible for defining and updating the awards structure of ACM and its units by recommending to Council, when appropriate, the establishment of new programs for the recognition of merit, or the modification or discontinuance of existing ones, with the goal of maintaining a balance among the awards recognizing different kinds of meritorious activities.

All ACM awards must be approved by the ACM Awards Committee. Further approval by ACM Council is required before any proper name may be attached to any such award or prize. This authority may not be delegated. Subunit-wide awards, excluding Named Awards, generally do not require ACM Council approval. The Policies and Guide for Establishing an ACM award is available at: <https://awards.acm.org/guides>

The Committee will provide advice to subunits of ACM regarding any award programs conducted by them. Subunits engaging in award activities should consult with the Awards Committee concerning the nature and balance among the programs of ACM and its subunits.

The Committee will maintain contact, and as appropriate, exchange information with other professional or technical organizations concerning their awards programs.

Committee Organization

The Awards Committee is a standing committee of Council, reporting through the President. The ACM Awards Committee consists of the Co-Chairs of the Awards Committee, the current chairs of the individual ACM award selection committees, and the ACM SIG Chairs Liaison with the Awards Committee.

Awards Committee Meeting

The Awards Committee Co-Chairs, Roy Levin and John R. White, held an in-person Awards Committee meeting on June 11, 2022, in San Francisco, CA.

The ACM Awards Banquet

The annual ACM Awards Banquet was held on June 11, 2022 in San Francisco, CA.

2021 Award Recipients

A.M. Turing Award

2021 Chair – Rodney Brooks

ACM's most prestigious technical award is accompanied by a prize of \$1,000,000. It is given to an individual selected for contributions of a technical nature made to the computing community. The contributions should be of lasting and major technical importance to the computer field. Financial support of the Turing Award is provided by Google, Inc.

2021 Recipient: **Jack Dongarra, University of Tennessee**

For his pioneering contributions to numerical algorithms and libraries that enabled high performance computational software to keep pace with exponential hardware improvements for over four decades.

ACM Prize in Computing:

2021 Chair – Moshe Vardi

Formerly known as the ACM - Infosys Foundation Award in the Computing Sciences, the ACM Prize was created in August 2007 and recognizes personal contributions by young scientists and system developers to a contemporary innovation that, through its depth, fundamental impact and broad implications, exemplifies the greatest achievements in the discipline. The award carries a prize of \$250,000. Financial support for the award is provided by an endowment from the Infosys Foundation.

2021 Recipient: **Pieter Abbeel, University of California Berkeley**

For contributions to robot learning, including learning from demonstrations and deep reinforcement learning for robotic control.

ACM Frances E. Allen Award for Outstanding Mentoring:

2021 Chair – Maria Klawe

Presented biennially to an individual who has exemplified excellence and/or innovation in mentoring with particular attention to recognition of individuals who have shown outstanding leadership in promoting diversity, equity, and inclusion in computing. The award is presented at the ACM Award Banquet and is accompanied by a prize of \$25,000 to the awardee, and an additional \$10,000 cash contribution to an approved charity of the awardee's choice. Financial Support is provided by Microsoft Research.

2021 Recipient: **Carla E. Brodley, Northeastern University**

For significant personal mentorship, and leadership in creating systemic programs that have increased diversity in computer science by creating mentoring opportunities for thousands at Northeastern and other universities across the U.S.

ACM Athena Lecturer Award:

2022-2023 Chair – Susan Dumais

The Athena Lecturer Award celebrates women researchers who have made fundamental contributions to Computer Science. Each year ACM honors a preeminent woman computer scientist as the Athena

Lecturer. The recipient gives an invited talk at a major ACM conference of her choice. A video of the talk is made available on the ACM website. The award carries a cash prize of \$25,000. Financial support for the Athena Lecturer Award is provided by Two Sigma.

2022-2023 Recipient: **Eva Tardos, Cornell University**

For fundamental research contributions to combinatorial optimization, approximation algorithms, and algorithmic game theory, and for dedicated mentoring and service to these communities.

ACM Distinguished Service Award

2021 Chair – Len Shustek

Awarded on the basis of value and degree of service to the computing community. The contributions should not be limited to service to the Association but should include activities in other computer organizations and should emphasize contributions to the computing community at large.

2021 Recipient: **Erik Altman, IBM Research**

For leadership in the computer architecture communities, and for contributions to ACM's organizational development

Outstanding Contribution to ACM Award

2021 Chair – Jane Prey

This award is given to individuals who are selected on the value and degree of service to ACM.

No Award Given for FY22

ACM Software System Award

2021 Chair– Nenad Medvidovic

Awarded to an institution or individual(s) recognized for developing a software system that has had a lasting influence, reflected in contributions to concepts, in commercial acceptance, or both. The Software System Award carries a prize of \$35,000 which is provided by IBM.

2021 Recipients: **Xavier Leroy, College de France**
Sandrine Blazy, University of Rennes 1, IRISA
Zaynah Dargaye, Nomadic Labs
Jacques-Henri Jourdan, CNRS, Laboratoire Méthodes Formelles
Michael Schmidt, AbsInt Angewandte Informatik
Bernhard Schommer, Saarland University, AbsInt Angewandte

Informatik GmbH

Jean-Baptiste Tristan, Boston College

For development of the first industrial-strength optimizing compiler (COMPCERT) that has been the subject of a complete, mechanically checked proof of correctness

ACM Grace Murray Hopper Award

2021 Chair – Carole Goble

Awarded to the outstanding young computer professional of the year, selected on the basis of a single recent major technical or service contribution and includes a prize of \$35,000. Financial support of

the award is provided by Microsoft. The candidate must have been 35 years or age or less at the time the qualifying contribution was made.

2021 Recipient: **Raluca Ada Popa, University of California Berkeley**

For contributions to the design of more practical distributed systems for secure computation over encrypted data that protect confidentiality against server attacks while maintaining full functionality and low performance overhead.

ACM Karl V. Karlstrom Outstanding Educator Award

2021 Chair – Judith Gal-Ezer

Awarded annually to an outstanding educator who: is appointed to a recognized educational baccalaureate institution; is recognized for advancing new teaching methodologies, or effecting new curriculum development or expansion in computer science and engineering; or who is making a significant contribution to the educational mission of the ACM. Those who have been teaching for ten years or less will be given special consideration. A prize of \$10,000 is supplied by Pearson Education.

2021 Recipient: **Mark Allen Weiss, University of Florida**

Advancing the art and science of CS education through his textbooks, research, and curriculum design, which have affected thousands of instructors as well as students around the world.

ACM Paris Kanellakis Theory and Practice Award

2020 Chair – Valerie King

The Kanellakis award honors specific theoretical accomplishments that have had a significant and demonstrable effect on the practice of computing. This award is accompanied by a prize of \$10,000 and is endowed by contributions from the Kanellakis family, and financial support which has been provided by ACM's SIGACT, SIGDA, SIGMOD, SIGPLAN, the SIG Project Fund, and individual contributions.

2020 Recipients: **Avrim Blum, Toyota Technological Institute at Chicago**
Irit Dinur, Weizmann Institute
Cynthia Dwork, Harvard University
Frank McSherry, Materialize Inc.
Kobbi Nissim, Georgetown University
Adam Davidson Smith, Boston University

For the formulation and development of the theory of differential privacy and its application to preserving privacy in statistical databases.

ACM Doctoral Dissertation Award

2021 Chair – Gregory Valiant

Presented annually to the author(s) of the best doctoral dissertation(s) in computer science and engineering and is accompanied by a prize of \$20,000, and \$10,000 for the Honorable Mention winner.

2021 Recipient: **Manish Raghavan, Massachusetts Institute of Technology**

For his dissertation, "The Societal Impacts of Algorithmic Decision-Making," nominated by Cornell University

2021 Honorable Mentions:

Benjamin Mildenhall, Google Research

For his dissertation "Neural Scene Representations for View Synthesis," nominated by University of California, Berkeley

Pratul Srinivasan, Google Research

For his dissertation "Scene Representations for View Synthesis with Deep Learning," nominated by University of California, Berkeley

Dimitris Tspiras, Stanford University

For his dissertation, "Learning Through the Lens of Robustness," nominated by the Massachusetts Institute of Technology.

ACM/IEEE CS Eckert-Mauchly Award

2022 Chair – Natalie Enright-Jerger

Administered jointly by ACM and IEEE Computer Society. The award of \$5,000 is given for contributions to computer and digital systems architecture where the field of computer architecture is considered at present to encompass the combined hardware-software design and analysis of computing and digital systems. The award was presented at the 46th annual ISCA (International Symposium on Computer Architecture) June, in Portland, OR.

2022 Recipient: **Mark Horowitz, Stanford University**

For contributions to microprocessor memory systems

ACM- IEEE CS Ken Kennedy Award

2021 Chair – Jeff Hollingsworth

Awarded annually and recognizes substantial contributions to programmability and productivity in computing and substantial community service or mentoring contributions. The award includes a \$5,000 honorarium.

2021 Recipient: **David A. Abramson, University of Queensland**

For innovation in parallel and distributed computing tools with broad applications, as well as leadership contributions to professional service, creating international technical communities, and mentoring.

ACM IEEE CS George Michael Memorial HPC Fellowship

2021 Chair – Yves Robert

Endowed in memory of George Michael, one of the founding fathers of the SC Conference series, the ACM IEEE-CS George Michael Memorial Fellowships honor exceptional PhD students throughout the world whose research focus areas are in high performance computing, networking, storage, and large-scale data analysis. ACM, the IEEE Computer Society, and the SC Conference support this award. The Fellowship includes a \$5,000 honorarium, plus travel and registration to receive the award at the annual SC conference.

2021 Recipients:

Mert Hidayetoglu, University of Illinois at Urbana-Champaign

For contributions in scalable sparse applications using fast algorithms and hierarchical communication on supercomputers with multi-GPU nodes

Tirthak Patel, Northeastern University

For contributions toward making the current error-prone quantum computing systems more usable and helping HPC programmers solve computationally challenging problems.

ACM/AAAI Allen Newell Award

2021 Chair – Sheila McIlraith

The Allen Newell Award is presented to an individual selected for career contributions that have breadth within computer science and other disciplines. This endowed award is supported by the Association for the Advancement of Artificial Intelligence, and by individual contributions.

2021 Recipients:

Carla Gomes, Cornell University

For establishing and nurturing the field of Computational Sustainability and for foundational contributions to Artificial Intelligence.

ACM Policy Award

2021 Chair – Michel Beaudoin Lafon

The ACM Policy Award was established in 2014 to recognize an individual or small group that had a significant positive impact on the formation or execution of public policy affecting computing or the computing community. This can be for education, service, or leadership in a technology position; for establishing an innovative program in policy education or advice; for building the community or community resources in technology policy; or other notable policy activity. The award is accompanied by a \$10,000 prize.

2021 Recipient: **Judy Brewer, Web Accessibility Initiative**

For her leadership of the Web Accessibility Initiative and development of multiple web accessibility standards, which have been adopted globally and improved accessibility for millions worldwide.

ACM Gordon Bell Prize

2021 Chair – Mark Parsons

The Gordon Bell Prizes are awarded each year to recognize outstanding achievement in high-performance computing. The purpose of the awards is to track the progress over time of parallel computing, with particular emphasis on rewarding innovation in applying high-performance computing to applications in science. Prizes are awarded for peak performance, special achievements in scalability and time-to-solution on important science and engineering problems, and low price/performance. The awards are presented during the SuperComputing Conference and include a total of \$10,000 in prize money. The award has been endowed by Gordon Bell, a pioneer in high-performance and parallel computing.

2021 Recipients:

Closing the "Quantum Supremacy" Gap: Achieving Real-Time Simulation of a Random Quantum Circuit Using a New Sunway Supercomputer

Authors: Yong (Alexander) Liu, Xin (Lucy) Liu, Fang (Nancy) Li, Yuling Yang, Jiawei Song, Pengpeng Zhao, Zhen Wang, Dajia Peng, and Huarong Chen of Zhejiang Lab, Hangzhou and the National Supercomputing Center in Wuxi; Haohuan Fu and Dexun Chen of Tsinghua University, Beijing, and the National Supercomputing Center in Wuxi; Wenzhao Wu of the National Supercomputing Center in Wuxi; and Heliang Huang and Chu Guo of the Shanghai Research Center for Quantum Sciences.

ACM The Gordon Bell Special Prize for High Performance Computing-Based COVID-19 Research

The Gordon Bell Special Prize for High Performance Computing-Based COVID-19 Research was presented for the first time in 2020 to recognize outstanding research achievement towards the understanding of the COVID-19 pandemic through the use of high-performance computing (HPC). The purpose of the award is to recognize the innovative parallel computing contributions towards the solution of the global crisis. Financial support of this \$10,000 award is provided by Gordon Bell, a pioneer in high-performance and parallel computing.

2021 Recipients:

Digital transformation of droplet/aerosol infection risk assessment realized on “Fugaku” for the fight against COVID-19

Authors: Kazuto Ando, Rahul Bale, and Keiji Onishi, RIKEN Center for Computational Science (Japan); ChungGang Li and Makoto Tsubokura, RIKEN Center for Computational Science and Kobe University (Japan); and Satoshi Matsuoka, RIKEN Center for Computational Science and Tokyo Institute of Technology.

ACM Presidential Award

The ACM Presidential Awards are given to leaders whose actions and achievements serve as paragons for our field. Recipients have demonstrated their exceptional abilities to advance computing and enhance its impact for the benefit of society through generosity, creativity and dedication to their respective missions.

2021 Recipients: Dame Wendy Hall, University of Southampton

For her technical contributions that have significantly influenced the development of the Semantic Web and the field of Web Science; her leadership and impact in shaping the science and engineering policy agenda internationally; her advocacy and leadership in promoting informatics education throughout Europe through the Informatics for All coalition and other international groups; and her committed and inspired work to strengthen ACM’s geographically diverse footprint and establishing and fostering regional councils to promote ACM activities in China, India, and Europe.

ACM Advanced Member Grades:

As of June 4th, 2020, the membership requirement for all Advanced Member Grades of a minimum of 5 consecutive years of membership was changed.

The new membership requirement is a minimum of 5 years of membership, not necessarily consecutive, within the last 10 years.

ACM Fellows

2021 Chair – James Larus

The ACM Fellows Program was established by Council in 1993 to recognize and honor outstanding ACM members for their achievements in computer science and information technology and for their significant contributions to the mission of the ACM. The ACM Fellows serve as distinguished

colleagues to whom the ACM and its members look for guidance and leadership as the world of information technology evolves.

Seventy-One new Fellows were inducted in 2021, bringing the number of ACM Fellows to 1,381:

Leonard Adleman, *Retired*
David A. Bader, *New Jersey Institute of Technology*
Meenakshi Balakrishnan, *Indian Institute of Technology, Delhi*
Nikolaj Bjorner, *Microsoft Research*
Mark Braverman, *Princeton University*
Linda Jean Camp, *Indiana University*
Edward Y. Chang, *Stanford University*
Tanzeem Choudhury, *Cornell Tech*
Daniel Cohen-Or, *Tel Aviv University*
Gautam Das, *University of Texas at Arlington*
Anind Dey, *Information School, University of Washington*
Lieven Eeckhout, *Ghent University*
Martín Farach-Colton, *Rutgers University*
Amos Fiat, *Tel Aviv University*
Hubertus Franke, *IBM Research*
Batya Friedman, *University of Washington*
Evgeniy Gabrilovich, *Google*
Judith Gal-Ezer, *Open University of Israel*
Deepak Ganesan, *University of Massachusetts Amherst*
Anupam Gupta, *Carnegie Mellon University*
Zygmunt J. Haas, *University of Texas at Dallas*
Elad Hazan, *Princeton University*
Xiaobo Sharon Hu, *University of Notre Dame*
Paola Inverardi, *University of L'Aquila*
Zachary Ives, *University of Pennsylvania*
Sushil Jajodia, *George Mason University*
Ranjit Jhala, *University of California San Diego*
David R. Kaeli, *Northeastern University*
Jonathan Katz, *University of Maryland*
Robert Kleinberg, *Cornell University*
Thomas Lengauer, *Max Planck Society*
Hai “Helen” Li, *Duke University*
Feifei Li, *Alibaba Cloud*
Ninghui Li, *Purdue University*
Tie-Yan Liu, *Microsoft Research Asia*
Steve Marschner, *Cornell University*
Matthew T. Mason, *Carnegie Mellon University*
Dale A. Miller, *Inria Saclay*
Elchanan Mossel, *MIT*
Bernhard Nebel, *Albert-Ludwigs Universität*
Rafail Ostrovsky, *UCLA*
Joël Ouaknine, *Max Planck Institute for Software Systems*
David Z. Pan, *The University of Texas at Austin*
Rosalind W. Picard, *MIT Media Lab*

Shaz Qadeer, *Novi, Meta*
Glenn Ricart, *US Ignite*
Tajana Rosing, *University of California San Diego*
Robert B. Ross, *Argonne National Laboratory*
Szymon Rusinkiewicz, *Princeton University*
Pierangela Samarati, *Università degli Studi di Milano, Italy*
Sunita Sarawagi, *IIT Bombay*
Bernt Schiele, *MPI for Informatics / Saarland University*
Mubarak Ali Shah, *University of Central Florida*
Alla Sheffer, *University of British Columbia*
Munindar P. Singh, *North Carolina State University*
Aravinda Prasad Sistla, *University of Illinois Chicago*
Scott Smolka, *Stony Brook University*
Jie Tang, *Tsinghua University*
Mark Tehranipoor, *University of Florida*
Luca Trevisan, *Bocconi University*
Wenping Wang, *Texas A&M University*
Brent Waters, *University of Texas Austin & NTT Research*
Ryen W. White, *Microsoft Research*
Jacob O. Wobbrock, *University of Washington*
Tao Xie, *Peking University*
Ming-Hsuan Yang, *University of California Merced, Google, Yonsei University*
Mohammed Zaki, *Rensselaer Polytechnic Institute*
Ben Yanbin Zhao, *University of Chicago*
Lin Zhong, *Yale University*
Shlomo Zilberstein, *University of Massachusetts at Amherst*
Thomas Zimmermann, *Microsoft Research*

ACM Distinguished Member

2021 Chair – David Rosenbloom

This advanced member grade was approved by Council in October 2005. This program recognizes those ACM members with at least 15 years of professional experience that have made significant accomplishments or achieved a significant impact on the computing field. Candidates must have been ACM Professional members for a minimum of 5 years within the last 10-year period. In FY'09, the categories under Distinguished Member were changed to Distinguished Educator, Distinguished Engineer, and Distinguished Scientist.

There were 63 new Distinguished Members in 2021, of which there were **5 Distinguished Educators, 8 Distinguished Engineers and 50 Distinguished Scientists which brings the total number of Distinguished Members to 791.**

ACM Senior Member

As of January 2020, Senior Member nominations are reviewed by ACM Staff.

This advanced member grade was approved by Council in October 2005. This program recognizes those ACM members with at least 10 years of professional experience that have demonstrated performance and accomplishment that sets them apart. Candidates must have been ACM

Professional members for a minimum of 5 years within the last 10-year period. **There were 172 new Senior Members in FY'22, bringing the total to 3,104 as of June 2022.**

Regeneration International Science and Engineering Fair (ISEF)

2021 Chair – Fred Martin

ISEF has been administered since 1950 by the Society for Science & the Public (formerly Science Service). Over 1,500 ninth through twelfth grade student winners from over 40 nations are among those who have earned the right to compete by winning top prize at a local, regional, state, or national science fair.

ACM's first place award is \$4,000, second place is \$3,000, and third place is \$1,500, the honorable award winners (a maximum of 3) each receive a prize of \$500. All receive complimentary Student subscriptions memberships (Portal Package) for the duration of their undergraduate studies. The 74th ISEF was held as a hybrid event in Atlanta, Georgia

Recognition of Service Certificates

The Recognition of Service Certificate Program is the responsibility of Headquarters Staff to issue certificates to those eligible volunteers who have completed service to ACM of at least one year in an elective or appointed position and who have received endorsement of their superiors in the ACM volunteer organization. No Recognitions of Service Certificates were issued in FY'21.

Appendix

A.M. Turing Award

Rodney Brooks	Massachusetts Institute of Technology	brooks@csail.mit.edu
Surajit Chaudhuri	Microsoft Research	surajitc@microsoft.com
Shafi Goldwasser	Berkeley, Simons Institute., MIT	shafi@csail.mit.edu
Jon Kleinberg	Cornell University	kleinberg@cs.cornell.edu
David Patterson	Google / UC Berkley	pattsrn@cs.berkeley.edu
Margo Seltzer	University of British Columbia	mseltzer@cs.ubc.ca
Joseph Sifakis	Verimag Lab IMAG	Joseph.Sifakis@univ-grenoble-alpes.fr
Olga Sorkine-Hornung	ETH Zurich	sorkine@inf.ethz.ch
Manuela Veloso	Carnegie Mellon University/JP Morgan	manuela.veloso@jpmorgan.com
Jeannette Wing	Columbia University	wing@columbia.edu

ACM Prize in Computing

Moshe Vardi	Rice University	vardi@cs.rice.edu
Peter Druschel	Max Planck Inst.	druschel@mpi-sws.mpg.de
Jasmin Fisher	UCL	jasmin.fisher@ucl.ac.uk
Eric Horvitz	Microsoft Research	horvitz@microsoft.com
Dina Katabi	MIT	dina@csail.mit.edu
Shwetak Patel	University of Washington	shwetak@cs.washington.edu
Jen Rexford	Princeton	jrex@cs.princeton.edu

Frances E. Allen Award for Outstanding Mentoring

Maria Klawe	Harvey Mudd College	klawe@hmc.edu
Rachel Bellamy	IBM	rachel@us.ibm.com
Mary Jane Irwin	Penn State	mji@psu.edu
Sepi Hejazi Moghadam	Google	shmoghadam@google.com
William Robinson	Vanderbilt	william.h.robinson@vanderbilt.edu
Barbara Ryder	Virginia Tech	ryder@cs.vt.edu

Distinguished Service Award

Len Shustek	Computer History Museum	len@shustek.com
Anastasia Ailamaki	EPFL	anastasia.ailamaki@epfl.ch
Miguel Castro	MSR Cambridge	mcastro@microsoft.com
Kai Li	Princeton	li@cs.princeton.edu
Radia Perlman	ex-MIT, SUN, Intel?	radiaperlman@gmail.com

Commented [RL1]: Needs to be resolved

Outstanding Contribution to ACM

Jane Prey	Retired	janeprey@gmail.com
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Commented [RL2]: I suggest simply omitting "Retired" wherever it occurs, including here and on the next entry.

Steve Bourne	Retired	srb@acm.org
Donna Cappel	ACM HQ	cappel@hq.acm.org
Fabrizio Gagliardi	Barcelona SC Center	fgagliar@bsccns.onmicrosoft.com

Software System Award

Nenad Medvidovic	University of Southern California	nenod@usc.edu
Camille Fournier	JP Morgan	skamille@gmail.com
Ben Fried	Google	bf@google.com
Valerie Issarny	Inria	valerie.issarny@inria.fr
George Neville-Neil	Neville-Neil Consulting	gnn@neville-neil.com
Lidong Zhou	Microsoft Research	lidongz@microsoft.com

Gordon Bell Prize

Mark Parsons	University of Edinburgh	m.parsons@epcc.ed.ac.uk
George Biros	UT Austin	biros@ices.utexas.edu
Taisuke Boku	University of Tsukuba	taisuke@cs.tsukuba.ac.jp
Edmond Chow	Georgia Tech	echow@cc.gatech.edu
Barbara Chapman	University of NY Stonybrook / Brookhaven National Laboratory	barbara.chapman@stonybrook.edu
Katrin Heitmann	Argonne National Lab	heitmann@anl.gov
Kenjiro Taura	University of Tokyo	tau@logos.t.u-tokyo.ac.jp
John Taylor	CSIRO/Data61	John.Taylor@data61.csiro.au

Grace Murray Hopper

Carole Goble	University of Manchester	carole.goble@manchester.ac.uk
Lorrie Cranor	Carnegie Mellon University	lorrie@cs.cmu.edu
Jelani Nelson	UC Berkeley	minilek@berkeley.edu
Timothy Pinkston	University of Southern California	tpink@usc.edu
Alex Smola	Amazon Web Services	alex@smola.org

Doctoral Dissertation Award

Gregory Valiant	Stanford University	valiant@stanford.edu
Mohit Bansal	University of North Carolina	mbansal@cs.unc.edu
Edouard Bugnion	EPFL	edouard.bugnion@epfl.ch
Kamalika Chaudhuri	UC San Diego	kamalika@cs.ucsd.edu
Nate Foster	Cornell University	jnfoster@cs.cornell.edu
Scott Hudson	Carnegie Mellon University	scott.hudson@cs.cmu.edu
Dan Rubenstein	Columbia University	danr@cs.columbia.edu
Martin Schulz	Technical University of Munich	martin.w.j.schulz@tum.de
Dan Suciu	University of Washington	suciu@cs.washington.edu
Ryan Williams	MIT	rrwilliams@gmail.com

ACM-IEEE CS Eckert-Mauchly

Per Stenstrom	Chalmers University	pers@chalmers.se
ACM Members:		
Natalie Enright Jerger	University of Toronto	enright@ece.utoronto.ca
Kim Hazelwood	Facebook	kimhazelwood@fb.com
Andre Seznec	Inria	andre.seznec@inria.fr
IEEE CS Members:		
David Kaeli	Northeastern University	kaeli@ece.neu.edu
Peh Li Shiuan	National University of Singapore	peh@nus.edu.sg

Paris Kanellakis Theory and Practice Award

Valerie King	University of Victoria	val@uvic.ca
Noga Alon	Princeton	nalon@math.princeton.edu
Moni Naor	Weizmann Institute	moni.naor@weizmann.ac.il
Tal Rabin	Algorand Foundation	talrny@yahoo.com

Karl V. Karlstrom Outstanding Educator Award

Judith Gal-Ezer	Open University of Israel	galezer@openu.ac.il
Tim Bell	Canterbury University, New Zealand	tim.bell@canterbury.ac.nz
Armando Fox	UC Berkeley	fox@cs.berkeley.edu
Susan Rodger	Duke University	rodger@cs.duke.edu

ACM-IEEE CS Ken Kennedy Award

Jeff Hollingsworth	University of Maryland	hollings@umd.edu
ACM Members:		
Albert Cohen	Google	albertcohen@google.com
Dongmei Zhang	Microsoft Research Asia	dongmeiz@microsoft.com
IEEE CS Members:		
David Padua	University of Illinois at Urbana Champaign	padua@illinois.edu
Daniel Reed	University Utah	dan.reed@utah.edu
Vivek Sarkar	Georgia Tech	vsarkar@gatech.edu

ACM-AAAI Allen Newell

Sheila McIlraith	University of Toronto	sheila@cs.toronto.edu
Julia Hirschberg	Columbia University	julia@cs.columbia.edu
Ayanna Howard	Ohio State University	ah260@gatech.edu
Lillian Lee	Cornell University	lillian.lee@cornell.edu
Toby Walsh	University of New South Wales	tw@cse.unsw.edu.au

Fellows

James Larus	EPFL	james.larus@epfl.ch
Members:		
Victor Bahl	Microsoft Research	bahl@microsoft.com
Michael Franklin	University of Chicago	mjfranklin@uchicago.edu
Wen Gao	Peking University	wgao@pku.edu.cn
Rajesh Gupta	UC San Diego	rgupta@ucsd.edu
Anna Karlin	University of Washington	karlin@cs.washington.edu
Nuria Oliver	Vodafone, London	nuria@alum.mit.edu
Adrian Perrig	ETH Zurich	adrian.perrig@inf.ethz.ch
Daniela Rus	MIT	rus@csail.mit.edu
Bart Selman	Cornell University	selman@cs.cornell.edu
Mikkel Thorup	University of Copenhagen	mikkel2thorup@gmail.com
Alex Wolf	UC Santa Cruz	alw@acm.org

Distinguished Member

Silvia Giordano	University of Applied Sciences	silvia.giordano@supsi.ch
Members:		
Stefano Basagni	Northeastern University	basagni@ece.neu.edu
David Basin	ETH Zurich	basin@inf.ethz.ch
Tanzeem Choudhury	Cornell University	tanzeem.choudhury@cornell.edu
Matt Dwyer	University of Virginia	matthewbdwyer@virginia.edu
Geraldine Fitzpatrick	Technical University of Vienna	geraldine.fitzpatrick@tuwien.ac.at
Fatma Ozcan	Google	fozcan@google.com
Lucian Popa	IBM Almaden	lpopa@us.ibm.com
Rajeev Thakur	Argonne National Lab	thakur@anl.gov

Intel International Science and Engineering Fair

Fred Martin	University of Massachusetts, Lowell	Fred_Martin@uml.edu
Jake Baskin	CSTA	jake.baskin@csteachers.org
Christina Gardner-McCune	University of Florida	gmccune@ufl.edu
Tom Yeh	University of Colorado, Boulder	tom.yeh@colorado.edu

SIAM/ACM Prize in Computational Science and Engineering (Biennial)

David Keyes	Columbia & King Abdullah University	
Geoffrey Fox	Indiana University	gcf@indiana.edu
Bobby Schnabel	University of Colorado	robert.Schnabel@colorado.edu

ACM – IEEE CS George Michael HPC Fellows Committee

Yves Robert	École Normale Supérieure de Lyon	yves.robert@ens-lyon.fr
ACM Members:		
Michael Gerndt	TU Munich	gerndt@in.tum.de
Tamara Kolda	Sandia National Labs	tgkolda@sandia.gov
Ignacio Laguna	Lawrence Livermore National Lab	ilagunap@gmail.com
IEEE Members:		
Ewa Deelman	USC ISI	deelman@isi.edu
Patricia Damkroger	Intel	patricia.damkroger@intel.com
Susan Rodger	Duke University	rodger@cs.duke.edu