

Annual Report of the ACM Awards Committee July 1, 2022 - June 30, 2023

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	12/31/2023
Roy	Levin	7/1/2019	6/30/2024
Awards Sub-Committee Members			
Gregory	Abowd	1/26/2021	6/30/2024
Anastasia	Ailamaki	7/1/2019	6/30/2023
Aditya	Akella	9/15/2022	6/30/2025
Gustavo	Alonso	10/4/2022	6/30/2025
Ilkay	Altintas	3/13/2023	12/31/2026
Anima	Anandkumar	9/15/2022	6/30/2026
Victor	Bahl	3/9/2020	12/31/2023
Mohit	Bansal	10/20/2021	6/30/2024
Stefano	Basagni	5/10/2021	12/31/2024
David	Basin	3/9/2020	12/31/2023
Tim	Bell	10/20/2021	6/30/2025
Rachel	Bellamy	10/20/2021	6/30/2027
Briana	Bettin	9/15/2022	6/30/2026
George	Biros	1/1/2018	12/31/2022
Taisuke	Boku	1/1/2023	12/31/2023
Rodney	Brooks	7/1/2018	6/30/2023
Cristian	Cadar	8/23/2022	12/31/2026
Miguel	Castro	8/26/2021	6/30/2025
Francisco	Castro	1/12/2023	6/30/2026
Barbara	Chapman	5/18/2021	12/31/2024
Kamalika	Chaudhuri	9/1/2020	6/30/2023
Surajit	Chaudhuri	10/20/2021	6/30/2026
Tanzeem	Choudhury	5/19/2021	12/31/2024
Edmond	Chow	4/17/2023	12/31/2023
Elizabeth	Churchill	9/15/2022	6/30/2024
Lorrie	Cranor	7/24/2020	6/30/2024
Jon	Crowcroft	7/6/2022	6/30/2028
Patricia	Damkroger	5/3/2021	12/31/2025
Tina	Declerck	5/15/2023	12/31/2027
Ewa	Deelman	3/25/2020	12/31/2023
Arati	Dixit	9/15/2022	6/30/2026
Jack	Dongarra	11/14/2022	12/31/2026
Peter	Druschel	7/26/2021	6/30/2025

Susan	Dumai	7/1/2019	6/30/2023
Natalie	Enright Jerger	5/24/2021	12/31/2023
Jasmin	Fisher	10/12/2021	6/30/2025
Geraldine	Fitzpatrick	5/1/2019	12/31/2022
Nate	Foster	10/20/2021	6/30/2024
Ian	Foster	3/13/2023	12/31/2026
Camille	Fournier	7/1/2019	6/30/2023
Michael	Franklin	5/3/2021	12/31/2025
Judith	Gal-Ezer	7/1/2019	6/30/2023
	Gardner-		
Christina	Mccune	2/28/2020	12/31/2023
Michael	Gerndt	2/9/2021	12/31/2024
Juan	Gilbert	7/7/2021	6/30/2025
Carole	Goble	7/1/2019	6/30/2023
Rajesh	Gupta	4/13/2018	12/31/2022
Chris	Hankin	9/15/2022	6/30/2026
Pat	Hanrahan	7/6/2022	6/30/2027
Kim	Hazelwood	1/1/2019	12/31/2022
	Hejazi		
Sepehr	Moghadam	10/20/2021	6/30/2027
John	Hennessy	7/1/2018	6/30/2022
Monika	Henzinger	7/6/2022	6/30/2027
Judith	Hill	4/17/2023	12/31/2026
Mark	Horowitz	7/1/2022	6/30/2028
Eric	Horvitz	7/1/2019	6/30/2022
M. Shamim	Hossain	8/3/2022	12/31/2025
Scott	Hudson	10/22/2021	6/30/2024
Mary	Irwin	10/20/2021	6/30/2027
David	Kaeli	3/30/2021	12/31/2023
Sham	Kakade	7/15/2022	6/30/2026
Ravi	Kannan	7/6/2022	6/30/2026
Dina	Katabi	7/1/2019	6/30/2022
Alan	Kay	7/1/2018	6/30/2022
Michael	Kearns	7/1/2022	6/30/2027
Valerie	King	7/1/2019	6/30/2023
Jon	Kleinberg	7/1/2018	6/30/2023
Tamara	Kolda	3/12/2020	12/31/2023
Vipin	Kumar	1/26/2021	6/30/2024
Ignacio	Laguna	3/25/2020	12/31/2023
Butler	Lampson	7/6/2022	6/30/2024
Lillian	Lee	7/1/2019	6/30/2023
Kai	Li	7/1/2018	6/30/2022
Peh	Li Shiuan	1/1/2019	12/31/2022
Dahlia	Malkhi	8/17/2020	6/30/2026
Fred	Martin	1/1/2018	12/31/2022

Maja	Mataric	2/7/2023	6/30/2024
SATOSHI	MATSUOKA	3/13/2023	12/31/2026
Madhavan	Mukund	9/15/2022	6/30/2026
Robin	Murphy	7/1/2019	6/30/2023
Elizabeth	Mynatt	9/15/2022	6/30/2026
Wolfgang	Nagel	4/29/2022	12/31/2025
Moni	Naor	7/19/2021	6/30/2025
P J	Narayanan	5/10/2022	6/30/2026
Jelani	Nelson	8/4/2021	6/30/2025
Andreas	Nowatzky	8/17/2020	6/30/2026
Nuria	Oliver	5/3/2021	12/31/2025
Fatma	Ozcan	8/4/2021	12/31/2024
Shwetak	Patel	8/13/2020	6/30/2024
David	Patterson	7/1/2018	6/30/2023
Fernando	Pereira	9/15/2022	6/30/2026
Radia	Perlman	8/17/2020	6/30/2024
Adrian	Perrig	3/13/2020	12/31/2023
Jane	Prey	9/15/2022	6/30/2024
Amanda	Randles	4/29/2022	12/31/2025
Steven	Reinhardt	6/29/2022	12/31/2024
William	Robinson	10/20/2021	6/30/2027
Susan	Rodger	8/17/2020	6/30/2024
Dan	Rubenstein	9/1/2020	6/30/2023
Daniela	Rus	3/3/2019	12/31/2023
Holly	Rushmeier	4/4/2022	12/31/2026
Ingrid	Russell	8/24/2022	12/31/2026
Barbara	Ryder	10/20/2021	6/30/2027
Theo	Schlossnagle	7/11/2022	6/30/2026
Johannes	Schoening	9/15/2022	6/30/2026
Martin	Schulz	9/1/2020	6/30/2023
Bart	Selman	4/13/2018	12/31/2022
Margo	Seltzer	8/17/2020	6/30/2025
Srinivasan	Seshan	1/26/2021	6/30/2024
Suzanne	Shontz	4/17/2023	12/31/2026
Leonard	Shustek	7/6/2022	6/30/2024
Kenjiro	Taura	1/1/2018	12/31/2022

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 10, 2023, in San Francisco, CA.

The ACM Awards Banquet

The annual ACM Awards Banquet was held on June 10, 2023, in San Francisco, CA.

2022 Award Recipients

A.M. Turing Award

2022 Chair – Jeannette Wing

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: **Robert M. Metcalfe, MIT**

For the invention of Ethernet local networks.

ACM Prize in Computing:

2022 Chair – Jennifer Rexford

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.

2022 Recipient: **Yael Tauman Kalai, Microsoft**

For breakthroughs on verifiable delegation of computation and fundamental contributions to cryptography.

ACM Frances E. Allen Award for Outstanding Mentoring:

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.

This Award was not presented in 2022.

ACM Athena Lecturer Award:

2023-2024 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.

2023-2024 Recipient: **Margo Seltzer, University of British Columbia**

For foundational research in file and storage systems, pioneering research in data provenance, impactful software contributions in Berkeley DB, and tireless dedication to service and mentoring.

ACM Distinguished Service Award

2022 Chair – Anastasia Ailamaki

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: **Ramesh Jain, UC Irvine**

For establishing SIGMultiMedia, and for outstanding leadership and persistent service to ACM and the computing community for the past four decades.

Outstanding Contribution to ACM Award

2022 Chair – Fabrizio Gagliardi

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

2022 Recipient: **Joseph Konstan, University of Minnesota**

For twenty-five years of dedicated service and leadership in support of ACM's mission and operation, and the advancement of ACM's research, education, and practitioner communities.

ACM Software System Award

2022 Chair– Lidong Zhou

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.

2022 Recipients:

Gernot Heiser, University of New South Wales;

Gerwin Klein, Proofcraft

Harvey Tuch, Google

Kevin Elphinstone, University of New South Wales

June Andronick, Proofcraft;

David Cock, ETH Zurich

Philip Derrin, Qualcomm

Dhammika Elkaduwe, University of Peradeniya

Kai Engelhard

Toby Murray, University of Melbourne

Rafal Kolanski, Proofcraft

Michael Norrish, Australian National University

Thomas Sewell, University of Cambridge

Simon Winwood, Galois

For the development of the first industrial-strength, high-performance operating system kernel to have been the subject of a complete, mechanically checked proof of full functional correctness.

ACM Grace Murray Hopper Award

2022 Chair – Timothy Pinkston

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.

2022 Recipient: **Mohammad Alizadeh, MIT**

For pioneering and impactful contributions to datacenter networks.

ACM Karl V. Karlstrom Outstanding Educator Award

2022 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 accompanies the award.

2022 Recipient: **Michael Caspersen, IT-Vest**

For his contributions to computer science education research, for his policy work at the national and international levels to advance the teaching of informatics for all, and for his outstanding service to the computing education community.

ACM Paris Kanellakis Theory and Practice Award

2022 Chair – Noga Alon

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.

2022 Recipients:

Michael Burrows,
Paolo Ferragina, University of Pisa
Giovanni Manzini, University of Pisa

For inventing the BW-transform and the FM-index which greatly advanced the field of Compressed Data Structures with fundamental impact on Data Compression and Computational Biology.

ACM Doctoral Dissertation Award

2022 Chair – Martin Schulz

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.

2022 Recipient: **Aayush Jain, Carnegie Mellon University**

For his dissertation "Indistinguishability Obfuscation from Well-Studied Assumptions"
nominated by the University of California, Los Angeles.

2022 Honorable Mentions:

Alane Suhr, University of California, Berkeley

For her dissertation "Reasoning and Learning in Interactive Natural Language Systems," nominated by Cornell University.

Conrad Watt, the University of Cambridge

For his dissertation, "Mechanising and Evolving the Formal Semantics of WebAssembly: the Web's New Low-Level Language" nominated by the University of Cambridge.

ACM/AAAI Allen Newell Award

2022 Chair – Lillian Lee

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.

2022 Recipients:

Stuart Russell, University of California, Berkeley

For fundamental contributions to artificial intelligence, especially in bounded rationality, probabilistic reasoning, and ethical AI

Bernhard Scholkopf, Max Planck Institute for Intelligent Systems

In recognition of his widely used research in machine learning, advancing both mathematical foundations and a broad range of applications in science and industry

ACM Policy Award

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.

This Award was not presented in 2022.

ACM/IEEE CS Eckert-Mauchly Award

2022 Chair – David Kaeli

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 50th annual ISCA (International Symposium on Computer Architecture) June 20, Orlando, FL

2022 Recipient: **Kunle Olukotun, Stanford University**

For contributions and leadership in the development of parallel systems, especially multicore and multithreaded processors.

ACM- IEEE CS Ken Kennedy Award

2022 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.

2022 Recipient: **Ian T. Foster, University of Chicago, Argonne National Laboratory**

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

2022 Chair – Patricia Damkroger

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.

2022 Recipients:

Marcin Copik, ETH Zurich

For incorporating the Function-as-a-Service programming model into HPC applications and bringing high performance into serverless to cut costs and increase the efficiency of supercomputing.

Masado Alexander Ishii, University of Utah

For developing lightweight, dimension-parameterized parallel meshing algorithms, with a focus on scalability and improving total time-to-solution for engineering applications

Honorable Mention:

Shelby Lockhart, University of Illinois Urbana-Champaign

For contributions to scalable iterative solvers using node-aware communication and low synchronization algorithms to reduce communication bottlenecks on supercomputers.

ACM Gordon Bell Prize

2022 Chair – Edmond Chow

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.

2022 Recipients:

“Pushing the Frontier in the Design of Laser-Based Electron Accelerators With Groundbreaking Mesh-Refined Particle-In-Cell Simulations on Exascale-Class Supercomputers

Authors: Luca Fedeli, France Boillod-Cerneaux, Thomas Clark, Neil Zaïm, and Henri Vincenti, (CEA); Axel Huebl, Kevin Gott, Remi Lehe, Andrew Myers, Weiqun Zhang, and Jean-Luc Vay, (Lawrence Berkeley National Laboratory); Conrad Hillairet, (Arm); Stephan Jaure, (ATOS); Adrien Leblanc, (Laboratoire d’Optique Appliquée, ENSTA Paris); Christelle Piechurski, (GENCI); and Mitsuhsa Sato, (RIKEN)

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.

2022 Recipients:

GenSLMs: Genome-Scale Language Models Reveal SARS-CoV-2 Evolutionary Dynamics

Authors: Maxim Zvyagin, Alexander Brace, Kyle Hippe, Yuntian Deng, Bin Zhang, Cindy Orozco Bohorquez, Austin Clyde, Bharat Kale, Danilo Perez-Rivera, Heng Ma, Carla M. Mann, Michael Irvin, J. Gregory Pauloski, Logan Ward, Valerie Hayot, Murali Emani, Sam Foreman, Zhen Xie, Diangen Lin, Maulik Shukla, Weili Nie, Josh Romero, Christian Dallago, Arash Vahdat, Chaowei Xiao, Thomas Gibbs, Ian Foster, James J. Davis, Michael E. Papka, Thomas Brettin, Rick Stevens, Anima Anandkumar, Venkatram Vishwanath, and Arvind Ramanathan.

ACM Gordon Bell Prize for Climate Modelling

The Gordon Bell Prize for Climate Modelling will be awarded every year for ten years beginning in 2023 to recognize the contributions of climate scientists and software engineers. Nominations will be selected based on their impact and potential impact on the field of climate modelling, on related fields, and on wider society by applying high-performance computing to climate modelling applications. The award aims to recognize innovative parallel computing contributions toward solving the global climate crisis. Nominations will be selected based on the performance and innovation in their computational methods and their contributions toward improving climate

modelling and our understanding of the Earth's climate system. Financial support for this \$10,000 award is provided by Gordon Bell, a pioneer in high-performance and parallel computing.

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.

This Award was not presented in 2022.

ACM Advanced Member Grades:

The ACM Distinguished Member nomination process was updated in May 2023 to mirror the nomination process for ACM Fellow.

ACM Fellows

2022 Chair – Rajesh Gupta

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.

Fifty-seven new Fellows were inducted in 2022, bringing the number of ACM Fellows to 1,438:

Maneesh Agrawala, Stanford University
Anima Anandkumar, California Institute of Technology
David Atienza Alonso, EPFL
Boaz Barak, Harvard University
Michel Beaudouin-Lafon, Université Paris-Saclay
Peter Boncz, Centrum Wiskunde & Informatica (CWI), Vrije Universiteit Amsterdam
Luis H. Ceze, University of Washington
Ranveer Chandra, Microsoft
Nitesh Chawla, University of Notre Dame
Ed H. Chi, Google
Corinna Cortes, Google
Bill Curtis, CAST Software/ Consortium for Information and Software Quality (CISQ)
Constantinos Daskalakis, Massachusetts Institute of Technology
Kalyanmoy Deb, Michigan State University
Bronis R. de Supinski, Lawrence Livermore National Laboratory
Sebastian Elbaum, University of Virginia
Yuguang "Michael" Fang, City University of Hong Kong
Kevin Fu, Northeastern University
Craig Gotsman, New Jersey Institute of Technology
Ahmed E. Hassan, Queen's University
Abdelsalam (Sumi) Helal, University of Florida
Jörg Henkel, Karlsruhe Institute of Technology
Manuel V. Hermenegildo, Universidad Politecnica de Madrid & IMDEA SW Institute
Michael Hicks, University of Maryland, Amazon Web Services
Torsten Hoefler, ETH Zurich

Jason Hong, Carnegie Mellon University
Sandy Irani, University of California, Irvine
Hiroshi Ishii, MIT Media Lab
Alfons Kemper, Technical University of Munich
Samir Khuller, Northwestern University
Farinaz Koushanfar, University of California, San Diego
C.-C. Jay Kuo, University of Southern California
Hang Li, Bytedance
Jimmy Lin, University of Waterloo
Radu Marculescu, The University of Texas at Austin
Hong Mei, Peking University
David M. Mount, University of Maryland at College Park
Gonzalo Navarro, University of Chile
Rafael Pass, Cornell University, Tel-Aviv University
Marc Pollefeys, ETH Zurich, Microsoft
Alex Pothén, Purdue University
Moinuddin Qureshi, Georgia Institute of Technology
Ashutosh Sabharwal, Rice University
Timothy Sherwood, University of California, Santa Barbara
Stefano Soatto, University of California, Los Angeles
John T. Stasko, Georgia Institute of Technology
Zhendong Su, ETH Zurich
Gary J. Sullivan, Microsoft
Jaime Teevan, Microsoft
Kentaro Toyama, University of Michigan
Rene Vidal, Johns Hopkins University
Eric Xing, Carnegie Mellon University, Mohamed bin Zayed University of Artificial Intelligence
Dong Yu, Tencent
Yizhou Yu, University of Hong Kong
Haitao (Heather) Zheng, The University of Chicago
Wenwu Zhu, Tsinghua University
Denis Zorin, New York University

ACM Distinguished Member

2022 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.

There were 67 new Distinguished Members in 2022, of which there were **which brings the total number of Distinguished Members to 862.**

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 133 new Senior Members in FY'23, bringing the total to 3,261 as of June 2023.**

Regeneron International Science and Engineering Fair (ISEF)

2022 Chair – Christina Gardner-McCune

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'23.

Appendix

A.M. Turing Award

Jeannette Wing	Columbia University	wing@columbia.edu
Rod Brooks	MIT/Rethink	brooks@csail.mit.edu
Surajit Chaudhuri	Microsoft Research	surajitc@microsoft.com
Pat Hanrahan	Stanford University	hanrahan@cs.stanford.edu
Monika Henzinger	University of Vienna	monika.henzinger@ista.ac.at
Michael Kearns	University of Pennsylvania	mkearns@cis.upenn.edu
David Patterson	Google/UC Berkeley	pattsrn@cs.berkeley.edu
Margo Seltzer	University of British Columbia	mseltzer@cs.ubc.ca
Luca Trevisan	University of Bocconi (Milan)	l.trevisan@unibocconi.it
Manuela Veloso	CMU/ JP Morgan	manuelaxveloso@gmail.com

ACM Prize in Computing

Jen Rexford	Princeton University	jrex@cs.princeton.edu
Peter Druschel	Max Planck Institute	druschel@mpi-sws.mpg.de
Jasmin Fisher	University College London	jasmin.fisher@ucl.ac.uk
Sham Kakade	Harvard University	sham@seas.harvard.edu
Ravi Kannan	MSR India	kannan100@gmail.com
Shwetak Patel	University of Washington	shwetak@cs.washington.edu
Zhengyou Zhang	Tencent	zhengyou_zhang@hotmail.com

Charles P. “Chuck” Thacker Award for Breakthroughs in Computing

Eric Brewer	Google	ebrewer@google.com
Jon Crowcroft	Cambridge	jon.crowcroft@cl.cam.ac.uk
Mark Horowitz	Stanford	horowitz@ee.stanford.edu
Butler Lampson	Microsoft	BLampson@microsoft.com
Dahlia Malkhi	Chainlink Labs	dahlialmalkhi@gmail.com
Andreas Nowatzky	VMWare	agn@acm.org

Distinguished Service Award

Anastasia Ailamaki	EPFL	anastasia.ailamaki@epfl.ch
Len Shustek	Computer History Museum	len@shustek.com
Miguel Castro	MSR Cambridge	mcastro@microsoft.com
PJ Narayanan	IIIT Hyderabad	pjn@iiit.ac.in
Radia Perlman	Dell	radiaperlman@gmail.com

Outstanding Contribution to ACM

Fabrizio Gagliardi	Barcelona SC Center	fgagliar@bsccns.onmicrosoft.com
Elizabeth Churchill	Google	churchill.at.acm@gmail.com
Chris Hankin	Imperial College London	c.hankin@imperial.ac.uk
Madhavan Mukund	Chennai Mathematic Inst.	madhavan@cmi.ac.in
Jane Prey	Retired	janeprey@gmail.com

Software System Award

Nenad Medvidovic	University of Southern California	nen@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

Edmond Chow	Georgia Tech	echow@cc.gatech.edu
George Biros	UT Austin	biros@ices.utexas.edu
Taisuke Boku	University of Tsukuba	taisuke@cs.tsukuba.ac.jp
Barbara Chapman	University of NY Stonybrook / Brookhaven National Laboratory	barbara.chapman@stonybrook.edu
Kenjiro Taura	University of Tokyo	tau@logos.t.u-tokyo.ac.jp
John Taylor	CSIRO/Data61	John.Taylor@data61.csiro.au
Wolfgang Nagel	TU Dresden	wolfgang.nagel@tu-dresden.de
Amanda Randles	Duke University	amanda.randles@duke.edu

Grace Murray Hopper

Carole Goble	U Manchester	carole.goble@manchester.ac.uk
Timothy Pinkston	USC	tpink@usc.edu
Lorrie Cranor	Carnegie Mellon University	lorrie@cs.cmu.edu
Jelani Nelson	UC Berkeley	minilek@berkeley.edu
Anima Anandkumar	Caltech/NVIDIA	animakumar@gmail.com

Doctoral Dissertation Award

Martin Schulz	Tech. Univ. Munich	martin.w.j.schulz@tum.de
Kamalika Chaudhuri	UCSD	kamalika@cs.ucsd.edu
Dan Rubenstein	Columbia	danr@cs.columbia.edu
Nate Foster	Cornell	jnfoster@cs.cornell.edu
Ryan Williams	MIT	rrwilliams@gmail.com
Mohit Bansal	UNC	mbansal@cs.unc.edu
Scott Hudson	CMU	scott.hudson@cs.cmu.edu

Aditya Akella	U Texas	akella@cs.utexas.edu
Mary Wootters	Stanford	marykw@stanford.edu
Gustavo Alonso	ETH Zurich	alonso@inf.ethz.ch

ACM-IEEE CS Eckert-Mauchly

ACM Members:

Natalie Enright Jerger	University of Toronto	enright@ece.utoronto.ca
Kim Hazelwood	Facebook	kimhazelwood@fb.com
Steve Reinhardt	Microsoft	stever@gmail.com

IEEE CS Members:

David Kaeli	Northeastern University	kaeli@ece.neu.edu
Peh Li Shuan	National University of Singapore	peh@nus.edu.sg
Steve Keckler	NVIDIA	skeckler@nvidia.com

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
Sergey Yekhanin	Microsoft	yekhanin@microsoft.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
Jan Vahrenhold	TU Munster	jan.vahrenhold@uni-muenster.de
Susan Rodger	Duke University	rodger@cs.duke.edu

ACM-IEEE CS Ken Kennedy Award

ACM Members:

Albert Cohen	Google	albertcohen@google.com
Dongmei Zhang	Microsoft Research Asia	dongmeiz@microsoft.com
Jeff Hollingsworth	University of Maryland	hollings@umd.edu

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

Lillian Lee	Cornell	lillian.lee@cornell.edu
Maja Mataric	USC	mataric@usc.edu

Toby Walsh	U. New South Wales	tw@cse.unsw.edu.au
Beth Mynatt	Northeastern	e.mynatt@northeastern.edu
Fernando Pereira	Google	pereira@google.com

Fellows

Victor Bahl	Microsoft Research	bahl@microsoft.com
Michael Franklin	University of Chicago	mjfranklin@uchicago.edu
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
Paola Inverardi	University of Aquila	paola.inverardi@univaq.it
Frank Pfenning	Carnegie Mellon university	fp@cs.cmu.edu
Holly Rushmeier	Yale University	holly.rushmeier@yale.edu

Distinguished Member

Stefano Basagni	Northeastern University	basagni@ece.neu.edu
David Basin	ETH Zurich	basin@inf.ethz.ch
Cristian Cadar	Imperial College London	c.cadar@imperial.ac.uk
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
Ingrid Russell	University of Hartford	irussell@hartford.edu

Intel International Science and Engineering Fair

Fred Martin	University of Massachusetts, Lowell	Fred_Martin@uml.edu
Jesmin Jahan Tithi	Intel Labs	shraban03@gmail.com
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)

SIAM Members		
David Keyes	Columbia & King Abdullah University	
Lois McInnes	Argonne Nation Laboratory	
ACM Members		
Geoffrey Fox	Indiana University	gcf@indiana.edu

Bobby Schnabel

University of Colorado

robert.Schnabel@colorado.edu

ACM – IEEE CS George Michael HPC Fellows Committee

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

Yves Robert

École Normale Supérieure de Lyon

yves.robert@ens-lyon.fr