

Annual Report of the ACM Awards Committee

July 1, 2023 - June 30, 2024

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	6/30/2024
Roy	Levin	7/1/2019	6/30/2026
Gabriele	Kotsis	7/1/2024	6/30/2030
Awards Sub-Committee Members			
Gregory	Abowd	1/26/2021	12/31/2024
Aditya	Akella	9/15/2022	6/30/2025
Vicki	Almstrum	11/29/2023	6/30/2027
Noga	Alon	7/1/2023	12/31/2024
Gustavo	Alonso	10/4/2022	6/30/2025
Ilkay	Altintas	6/3/2024	6/3/2026
Anima	Anandkumar	9/15/2022	6/30/2026
Mohit	Bansal	10/20/2021	12/31/2024
Tim	Bell	10/20/2021	6/30/2025
Rachel	Bellamy	10/20/2021	6/30/2027
Elisa	Bertino	9/27/2023	12/31/2024
Briana	Bettin	9/15/2022	6/30/2026
Taisuke	Boku	4/16/2024	4/16/2026
Carla	Brodley	3/1/2024	6/30/2029
Cristian	Cadar	8/23/2022	12/31/2026
Miguel	Castro	9/27/2023	12/31/2024
Francisco	Castro	1/12/2023	6/30/2026
Barbara	Chapman	1/1/2024	1/1/2026
Surajit	Chaudhuri	10/20/2021	6/30/2026
Elizabeth	Churchill	9/15/2022	12/31/2024
Corinna	Cortes	1/30/2024	6/30/2027
Lorrie	Cranor	7/24/2020	12/31/2024
Jon	Crowcroft	7/6/2022	6/30/2028
Ron	Cytron	3/1/2024	6/30/2029
Patricia	Damkroger	5/3/2021	12/31/2025
Tina	Declerck	5/15/2023	12/31/2027
Laura	DeNardis	2/27/2024	6/30/2027
Arati	Dixit	9/15/2022	6/30/2026
Jack	Dongarra	11/14/2022	12/31/2026
Peter	Druschel	7/26/2021	6/30/2025
Panagiota	Fatourou	7/1/2023	6/30/2027

Jasmin	Fisher	10/12/2021	6/30/2025
Nate	Foster	10/20/2021	12/31/2024
Ian	Foster	3/13/2023	12/31/2026
Michael	Franklin	5/3/2021	12/31/2025
Juan	Gilbert	7/7/2021	6/30/2025
Chris	Hankin	9/15/2022	6/30/2026
Pat	Hanrahan	7/6/2022	6/30/2027
Monika	Henzinger	7/6/2022	6/30/2027
Judith	Hill	4/17/2023	12/31/2026
Mark	Horowitz	7/1/2022	6/30/2028
M. Shamim	Hossain	8/3/2022	12/31/2025
Scott	Hudson	10/22/2021	12/31/2024
Mary	Irwin	9/27/2023	12/31/2024
Norman	Jouppi	9/27/2023	6/30/2028
Sham	Kakade	7/15/2022	6/30/2026
Ravi	Kannan	7/6/2022	6/30/2026
Michael	Kearns	7/1/2023	12/31/2024
Lorraine	Kisselburgh	1/18/2024	6/30/2025
Vipin	Kumar	1/26/2021	12/31/2024
Butler	Lampson	7/6/2022	12/31/2024
Dahlia	Malkhi	8/17/2020	6/30/2026
Maja	Mataric	2/7/2023	12/31/2024
Satoshi	Matsuoka	3/13/2023	12/31/2026
Madhavan	Mukund	9/15/2022	6/30/2026
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
Shwetak	Patel	9/27/2023	12/31/2024
Fernando	Pereira	9/15/2022	6/30/2026
Manuel	Perez-Quinones	2/27/2024	6/30/2027
Radia	Perlman	8/17/2020	12/31/2024
Timothy	Pinkston	7/1/2023	12/31/2024
Jane	Prey	9/15/2022	12/31/2024
Amanda	Randles	4/29/2022	12/31/2025
Jennifer	Rexford	9/27/2023	12/31/2024
William	Robinson	10/20/2021	6/30/2027
Susan	Rodger	8/17/2020	12/31/2024
Timothy	Roscoe	4/22/2024	6/6/2026
Holly	Rushmeier	4/4/2022	12/31/2026
Stuart	Russell	9/27/2023	6/30/2028

Ingrid	Russell	8/24/2022	12/31/2026
Barbara	Ryder	10/20/2021	6/30/2027
Gerhard	Schimpf	1/18/2024	6/30/2027
Theo	Schlossnagle	7/11/2022	6/30/2026
Johannes	Schoening	9/15/2022	6/30/2026
Margo	Seltzer	8/17/2020	6/30/2025
Srinivasan	Seshan	1/26/2021	12/31/2024
Yoav	Shoham	1/1/2024	6/30/2027
Suzanne	Shontz	4/17/2023	12/31/2026
Kelly	Shortridge	4/22/2024	6/30/2026
Leonard	Shustek	7/6/2022	12/31/2024
Daniel	Stanzione	1/1/2024	12/31/2027
John	Taylor	4/16/2024	4/16/2026
John	Taylor	11/14/2022	11/14/2024
Chandramohan	Thekkath	7/1/2022	6/30/2026
Kentaro	Toyama	9/15/2022	6/30/2026
Luca	Trevisan	8/24/2022	6/30/2027
Jan	Vahrenhold	9/15/2022	6/30/2026
Manuela	Veloso	8/26/2021	6/30/2026
Toby	Walsh	7/19/2021	6/30/2025
Ryan	Williams	10/20/2021	12/31/2024
Jeannette	Wing	7/1/2023	12/31/2024
Mary	Wootters	9/20/2022	6/30/2025
Zhengyou	Zhang	7/1/2022	6/30/2026
Lidong	Zhou	7/1/2023	6/30/2025

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 22, 2024, in San Francisco, CA.

The ACM Awards Banquet

The annual ACM Awards Banquet was held on June 22, 2024, in San Francisco, CA.

Plans

The Awards Committee worked with the SIG Governing Board to establish a process to improve the oversight for SIG-level Awards. The Award Committee Procedures were refined, and the documentation has been significantly revised and expanded.

In FY24, The Barroso Award, celebrating achievements in computer science by individuals from underrepresented groups was approved by ACM Council. The first nomination cycle will be in December 2024.

The Awards Committee is working with ACM HQ's IS department to create a Volunteer Management System, expected to be completed by the end of FY25.

Diversity, Equity & Inclusion

The current composition of ACM Award Committees is majority North America (US and Canada). ~18 percent of the committee members are from Europe. Representation from other regions such as Oceania and Asia are small (~5% each). The Awards committee's goal is to improve the geographic diversity of committee members.

ACM also aims to increase the diversity of Award Nominations through partnerships with the DEI Council and the SIGs.

2023 Award Recipients

A.M. Turing Award

2023 Chair – Michael Kearns

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.

2023 Recipient: **Avi Wigderson, IAS**

For foundational contributions to the theory of computation, including reshaping our understanding of the role of randomness in computation, and for decades of intellectual leadership in theoretical computer science

ACM Prize in Computing:

2023 Chair – Shwetak Patel

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.

2023 Recipient: **Amanda Randles, Duke University**

Ground-breaking contributions to innovative new computational methods, tools, and high performance computing methods for diagnosing and treating a variety of human diseases.

ACM Frances E. Allen Award for Outstanding Mentoring:

2023 Chair- Mary Jane Irwin

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.

2023 Recipient: Margaret Martonosi, Princeton University

For outstanding and far-reaching mentoring in computer architecture, and to the broader CS community.

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

Presented biennially to an individual or group of individuals who reflect Thacker's pioneering contributions in making a surprising or disruptive leapfrog in computing ideas or technologies, and his inspiration of generations of young computer scientists. The award is presented at the June ACM Awards Banquet and is accompanied by a prize of \$100,000 plus travel expenses to the banquet and to the ACM Breakthrough Award Lecture. Financial support is provided by Microsoft.

This Award was not presented in 2023.

ACM Athena Lecturer Award:

2024-2025 Chair – Elisa Bertino

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.

2024-2025 Recipient: Maja Matarić, University of Southern California

For pioneering contributions to the field of socially assistive robotics, including groundbreaking research, evaluation, and technology transfer, and for fundamental work in human-robot interaction and multi-robot coordination.

ACM Grace Murray Hopper Award:

2023 Chair – Lorrie Cranor

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 of age or less at the time the qualifying contribution was made.

2023 Recipient: Prateek Mittal, Princeton University

For exposing critical vulnerabilities in encrypted internet communication systems and developing multi-vantage-point domain validation countermeasures.

ACM Distinguished Service Award:

2023 Chair – Miguel Castro

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.

2023 Recipient: Aidong Zhang, University of Virginia

For her impactful leadership and lasting service to the broad communities of bioinformatics, computational biology, and data mining.

Outstanding Contribution to ACM Award:

2023 Chair – Elizabeth Churchill

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

2023 Recipient: **Jack Davidson, University of Virginia**

For leadership in and contributions to ACM's Publications Program.

ACM Software System Award:

2023 Chair– Chandu Thekkath

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.

2023 Recipients: **Andrew S. Tanenbaum, Vrije Universiteit**

For MINIX, which influenced the teaching of Operating Systems principles to multiple generations of students and contributed to the design of widely used operating systems, including Linux.

ACM Karl V. Karlstrom Outstanding Educator Award

2023 Chair – Susan Rodger

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.

2023 Recipients: **Alicia Nicki Washington and Shaundra Daily, Duke University**

For their work towards changing the national computing education system to be more equitable and to combat unjust impacts of computing on society.

ACM Paris Kanellakis Theory and Practice Award:

2023 Chair – Moni Naor

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.

2023 Recipients: **Guy E. Blelloch, Carnegie Mellon University**

Laxman Dhulipala, University of Maryland

Julian Shun, MIT

For their groundbreaking contributions to algorithm engineering, which has revolutionized large-scale graph processing on shared-memory machines.

ACM Doctoral Dissertation Award

2023 Chair – Nate Foster

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.

2023 Recipient: **Nivedita Arora, Northwestern University**

For her dissertation “Sustainable Interactive Wireless Stickers: From Materials to Devices to Applications” nominated by the Georgia Institute of Technology.

2023 Honorable Mentions:

William Kuszmaul, Harvard University

For his dissertation, “Randomized Data Structures: New Perspectives and Hidden Surprises” nominated by the Massachusetts Institute of Technology.

Gabriele Farina, Massachusetts Institute of Technology

For his dissertation, “Game-Theoretic Decision Making in Imperfect-Information Games” nominated by Carnegie Mellon University.

ACM/AAAI Allen Newell Award

2023 Chair – Toby Walsh

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.

2023 Recipients: **David Blei, Columbia University**

For significant contributions to machine learning, information retrieval, and statistics, especially in the areas of topic models and approximate inference.

ACM Policy Award

2023 Chair- Lorraine Kisselburgh

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.

2023 Recipient: **John Abowd, Cornell University & United States Census Bureau (retired)**

For transformative work in modernizing the US Census Bureau's processing and dissemination of census, survey and administrative data, exemplifying privacy-aware management of government-collected data.

ACM/IEEE CS Eckert-Mauchly Award

2023 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, Florida.

2023 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

2023 Chair – Dongmei Zhang

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.

2023 Recipient: **Keshav Pingali, University of Texas at Austin**

For contributions to high-performance parallel computing for irregular algorithms such as graph algorithms.

ACM IEEE CS George Michael Memorial HPC Fellowship

2023 Chair –Ignacio Laguna

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.

2023 Recipients:

James Gregory Pauloski, University of Chicago

For developing systems for optimal HPC resource usage from scalable optimization methods for deep learning training to data fabrics for sophisticated applications spanning heterogeneous resources.

Rohan Basu Roy, Northeastern University

For enhancing the productivity of computational scientists and environmental sustainability of HPC with novel methods and tools exploiting cloud computing and on-premise HPC resources.

Honorable Mention:

Hua Huang, Georgia Institute of Technology

For contributions to high performance parallel matrix algorithms and implementations and their application to quantum chemistry calculations.

ACM Gordon Bell Prize

2023 Chair- Taisuke Boku

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.

2023 Recipients:

“Large-Scale Materials Modeling at Quantum Accuracy: Ab Initio Simulations of Quasicrystals and Interacting Extended Defects in Metallic Alloys”

Authors: Sambit Das (University of Michigan), Bikash Kanungo (University of Michigan), Vishal Subramanian, (University of Michigan), Gourab Panigrahi (Indian Institute of Science, Bangalore), Phani Motamarri (Indian Institute of Science, Bangalore), David Rogers (Oakridge National Laboratory), Paul M. Zimmerman (University of Michigan), and Vikram Gavini (University of Michigan)

ACM The Gordon Bell Prize for Climate Modelling

2023 Chair- John Taylor

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.

2023 Recipients:

“The Simple Cloud-Resolving E3SM Atmosphere Model Running on the Frontier Exascale System.”

Authors: Mark A. Taylor, Luca Bertagna, Conrad Clewenger, James G. Foucar, Oksana Guba, Benjamin R. Hillman, Andrew G. Salinger (all of Sandia National Laboratories); Peter M. Caldwell, Aaron S. Donahue, Noel Keen, Christopher R. Terai, Renata B. McCoy, David C. Bader (all of Lawrence Livermore National Laboratory); Jayesh Krishna, Danqing Wu (both of Argonne National Laboratory); Matthew R. Norman, Sarat Sreepathi (both of Oakridge National Laboratory); James B. White III (Hewlett Packard Enterprise); and L. Ruby Leung (Pacific Northwest National Laboratory)

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.

2023 Recipients:

Anand Deshpande, Persistent Systems

For long-standing contributions to the broader computing community and to ACM, characterized by his visionary leadership, strategic collaboration, and a commitment to advancing the field of computing science and engineering.

Tamer Özsu, University of Waterloo

For long-standing and significant contributions to the computing field and its scientific community in general, as well as to ACM in particular

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

2023 Chair – Nuria Oliver

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.

Sixty-eight new Fellows were inducted in 2023, bringing the number of ACM Fellows to 1,506:

Aditya Akella, University of Texas
Michael Backes, CISPA
Vineet Bafna, University of California, San Diego
Maria-Florina Balcan, Carnegie Mellon University
Nikhil Bansal, University of Michigan
Mikhail Belkin, University of California, San Diego
Yoshua Bengio, Mila, Université de Montréal
Shai Ben-David, University of Waterloo
Tim Berners-Lee, WWW Consortium
Vaughn Timothy Betz, University of Toronto
Ramon Caceres, Google
Chandra Chekuri, University of Illinois, Urbana- Champaign
Haibo Chen, Shanghai Jiao Tong University
Yingying (Jennifer) Chen, Rutgers University
Kenneth Ward Church, EAI, Northeastern University
Roger B. Dannenberg, Carnegie Mellon University
Xin Luna Dong, Meta
Rolf Drechsler, University of Bremen
Wenliang Du, Syracuse University
Pradeep Dubey, Intel Corporation
Anja Feldmann, Max Planck Institute and TU Berlin
George Fitzmaurice, Autodesk Canada, Inc.
Fedor Fomin, University of Bergen
Jeffrey S. Foster, Tufts University
Jianfeng Gao, Microsoft
Ian Goldberg, University of Waterloo

Sumit Gulwani, Microsoft
Zhu Han, University of Houston
Geoffrey Hinton, University of Toronto
Nicole Immorlica, Microsoft Research
Trent Jaeger, Pennsylvania State University
Kenneth Richard Koedinger, Carnegie Mellon University
Andreas Krause, ETH Zurich
Christopher Ian Kruegel, University of California Santa Barbara
H.T. Kung, Harvard University
Yann LeCun, New York University
David Lo, Singapore Management University
Wenjing Lou, Virginia Tech
Kwan-Liu Ma, University of California, Davis
Wei-Ying Ma, Tsinghua University
Z. Morley Mao, University of Michigan
Deborah McGuinness, Rensselaer Polytechnic Institute
Gerard G. Medioni, Amazon
Sharad Mehrotra, University of California, Irvine
Seffi Naor, Technion—Israel Institute of Technology
Shrikanth Narayanan, University of Southern California
Natasha Noy, Google Research
Corina S. Pasareanu, NASA Ames and Carnegie Mellon University
Massoud Pedram, University of Southern California
Anand Raghunathan, Purdue University
Benjamin Raphael, Princeton University
Dana Ron, Tel Aviv University
Tim Roughgarden, Columbia University
David Sankoff, University of Ottawa
Stefan Saroiu, Microsoft
Albrecht Schmidt, Ludwig Maximilian University of Munich
Björn W. Schuller, Imperial College London,
Technical University of Munich
Phoebe Sengers, Cornell University
Elaine Shi, Carnegie Mellon University
Noah Snaveley, Cornell Tech, Google
Ram D. Sriram, NIST
Steffen Staab, University of Stuttgart, University of Southampton
Alexander Szalay, The Johns Hopkins University
Manik Varma, Microsoft Research India
XiaoFeng Wang, Indiana University at Bloomington
Kilian Weinberger, Cornell University
Emmett Witchel, The University of Texas at Austin
Xing Xie, Microsoft Research Asia

ACM Distinguished Member

2023 Chair – Matthew Dwyer

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 52 new Distinguished Members in 2023, **which brings the total number of Distinguished Members to 914.**

ACM Senior Member

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'24, bringing the total to 3,261 as of June 2023.**

Regeneron International Science and Engineering Fair (ISEF)

2024 Chair – Tom Yeh

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 2024 ISEF was held in Los Angeles, California

Appendix

A.M. Turing

Michael Kearns
University of Pennsylvania
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Members:

Surajit Chaudhuri
Pat Hanrahan
Monika Henzinger
Norm Jouppi
Stuart Russell
Margo Seltzer
Luca Trevisan
Manuela Veloso
Jeannette Wing

ACM Prize in Computing

Shwetak Patel
University of Washington
shwetak@cs.washington.edu

Members:

Peter Druschel
Jasmin Fisher
Sham Kakade
Ravi Kannan
Zhengyou Zhang

Frances E. Allen Award for Outstanding Mentoring

Mary Jane Irwin
Pennsylvania State
University
mji@psu.edu

Members:

Rachel Bellamy
Carla Brodley
Ron Cytron
William Robinson
Barbara Ryder

ACM – AAAI Allen Newell

Toby Walsh
University of New South
Wales
tw@cse.unsw.edu.au

Members:

Maja Matarić
Beth Mynatt

Fernando Pereira
Yoav Shoham

Software System

Chandu Thekkath
thekkath@thekkath.org

Members:

Mothy Roscoe
Theo Schlossnagle
Kelly Shortridge
Lidong Zhou

Grace Murray Hopper

Lorrie Cranor
Carnegie Mellon University
lorrie@cs.cmu.edu

Members:

Youla Fatorou
Jelani Nelson
Timothy Pinkston

Paris Kanellakis Theory and Practice

Moni Naor
Weizmann Institute
moni.naor@weizmann.ac.il

Members:

Noga Alon
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