

Annual Report of the ACM Awards Committee July 1, 2019 - June 30, 2020

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	6/30/2022
Roy	Levin	7/1/2019	6/30/2022
Awards Sub-Committee Members			
Anastasia	Ailamaki	7/1/2019	6/30/2023
Sihem	Amer-Yahia	7/1/2016	6/30/2020
Gabriele	Anders-Kotsis	7/1/2017	6/30/2021
Ken	Anderson	7/1/2016	6/30/2020
David	Basin	1/1/2019	12/31/2023
Jake	Baskin	1/1/2019	12/31/2022
Michel	Beaudoin-Lafon	7/1/2018	6/30/2022
Antonia	Bertolino	1/1/2017	12/31/2020
George	Biros	1/1/2017	12/31/2021
Arndt	Bode	1/1/2016	12/31/2020
Steve	Bourne	7/1/2018	6/30/2022
Eric	Brewer	3/10/2018	6/30/2024
Rod	Brooks	7/1/2018	6/30/2023
Edouard	Bugnion	7/1/2018	6/30/2022
Doug	Burger	7/1/2017	6/30/2021
Donna	Cappo	7/1/2018	6/30/2022
Michael	Carey	7/1/2016	6/30/2021
Michael	Caspersen	7/1/2017	6/30/2021
Edmond	Chow	1/1/2020	12/31/2023
Edith	Cohen	7/1/2016	6/30/2020
Albert	Cohen	1/1/2019	12/31/2022
Bronis	de Supinski	1/1/2016	12/31/2020
Ewa	Deelman	1/1/2020	12/31/2023
David	DeWitt	7/1/2018	6/30/2022
Josep	Diaz	7/1/2017	6/30/2021
Tom	Dietterich	7/1/2016	6/30/2020
Jack	Dongarra	1/1/2017	12/31/2020
Susan	Dumais	7/1/2018	6/30/2022
Sandhya	Dwarkadas	1/1/2017	12/31/2020
Matt	Dwyer	1/1/2019	12/31/2023
Lieven	Eeckhout	1/1/2017	12/31/2020

Alexei	Efros	7/1/2017	6/30/2021
Carla	Ellis	7/1/2016	6/30/2020
Jeanne	Ferrante	1/1/2015	12/31/2019
Kathleen	Fisher	1/1/2014	12/31/2019
Geraldine	Fitzpatrick	1/1/2018	12/31/2022
Camille	Fournier	7/1/2019	6/30/2023
Armando	Fox	7/1/2018	6/30/2022
Geoffrey	Fox	1/1/2018	12/31/2023
Ben	Fried	7/1/2017	6/30/2021
Judith	Gal-Ezer	7/1/2019	6/30/2023
Wen	Gao	1/1/2016	12/31/2021
Christina	Gardner-McCune	1/1/2020	12/31/2023
Carlo	Ghezzi	1/1/2016	12/31/2020
Silvia	Giordano	1/1/2017	12/31/2021
Carole	Goble	7/1/2019	6/30/2023
Adele	Goldberg	3/10/2018	6/30/2020
Shafi	Goldwasser	7/1/2017	6/30/2022
Carla	Gomes	7/1/2018	6/30/2022
Rajesh	Gupta	1/1/2017	12/31/2022
Laura	Haas	1/1/2015	12/31/2020
Kim	Hazelwood	1/1/2019	12/31/2022
David	Heckerman	7/1/2016	6/30/2021
Katrin	Heitmann	1/1/2017	12/31/2021
John	Hennessy	3/10/2018	6/30/2022
Julia	Hirschberg	7/1/2018	6/30/2022
Harry	Hochheiser	7/1/2019	6/30/2023
Jeff	Hollingsworth	1/1/2018	12/31/2021
Eric	Horvitz	7/1/2018	6/30/2022
Piotr	Indyk	7/1/2018	6/30/2021
Bruce	Jacob	1/1/2017	12/31/2020
Pankaj	Jalote	7/1/2017	6/30/2021
Karrie	Karahalios	7/1/2018	6/30/2022
Karen	Karavanic	1/1/2017	12/31/2020
Dina	Katabi	7/1/2018	6/30/2022
Randy	Katz	1/1/2015	12/31/2020
Alan	Kay	3/10/2018	6/30/2022
Anne-Marie	Kermarrec	7/1/2017	6/30/2020
Valerie	King	7/1/2019	6/30/2023
Lorraine	Kisselburgh	7/1/2019	6/30/2023
Jon	Kleinberg	7/1/2018	6/30/2023
Tamara	Kolda	1/1/2020	12/31/2023
Joe	Konstan	1/1/2015	12/31/2020

Jesus	Labarta	1/1/2017	12/31/2020
Ignacio	Laguna	1/1/2020	12/31/2023
Butler	Lampson	3/10/2018	6/30/2024
Jim	Larus	1/1/2015	12/31/2020
Ed	Lazowska	7/1/2016	6/30/2020
Lillian	Lee	7/1/2019	6/30/2023
Kal	Li	7/1/2018	6/30/2022
Peh	Li Shiuan	1/1/2019	12/31/2022
Rao	Mannepalli	1/1/2016	12/31/2020
Fred	Martin	1/1/2018	12/31/2021
Keith	Marzullo	1/1/2014	12/31/2019
Renee	McCauley	7/1/2016	6/30/2020
Sheila	McIlraith	7/1/2018	6/30/2022
Kathryn	McKinley	7/1/2016	6/30/2020
Nenad	Medvidovic	7/1/2018	6/30/2022
Renee	Miller	7/1/2016	6/30/2020
Jose	Moreira	7/1/2017	6/30/2020
Gail	Murphy	7/1/2018	6/30/2022
Robin	Murphy	7/1/2018	6/30/2022
Brad	Myers	7/1/2017	6/30/2020
Jeffrey	Naughton	7/1/2016	6/30/2020
Jennifer	Neville	7/1/2018	6/30/2021
George	Neville-Neil	7/1/2017	6/30/2021
David	Padua	1/1/2019	12/31/2022
Mark	Parsons	1/1/2017	12/31/2021
David	Patterson	7/1/2018	6/30/2023
Ron	Perrott	7/1/2017	6/30/2021
Lori	Pollock	7/1/2016	6/30/2020
Lucian	Popa	1/1/2017	12/31/2021
Tal	Rabin	7/1/2018	6/30/2022
Rick	Rashid	3/10/2018	6/30/2020
Daniel	Reed	1/1/2018	12/31/2021
Yves	Robert	1/1/2017	12/31/2020
Susan	Rodger	1/1/2019	12/31/2021
David	Rosenblum	1/1/2016	12/31/2020
Daniela	Rus	1/1/2018	12/31/2023
Lucy	Sanders	7/1/2016	6/30/2020
Martin	Schulz	7/21/2019	6/30/2023
Bart	Selman	1/1/2017	12/31/2022
Ravi	Sethi	7/1/2017	6/30/2021
Andre	Seznec	1/1/2018	12/31/2021
Stuart	Shapiro	7/1/2018	6/30/2022

Mary	Shaw	1/1/2014	12/31/2019
Ben	Shneiderman	7/1/2018	6/30/2022
Joseph	Sifakis	7/1/2017	6/30/2022
Alex	Smola	7/1/2018	6/30/2022
Richard	Snodgrass	7/1/2016	6/30/2020
Olga	Sorkine-Hornung	7/1/2017	6/30/2022
Alfred	Spector	7/1/2015	6/30/2020
Per	Stenstrom	1/1/2018	12/31/2021
Dan	Suciu	7/1/2018	6/30/2021
Val	Tannen	7/1/2018	6/30/2021
Kenjiro	Taura	1/1/2017	12/31/2021
John	Taylor	1/1/2020	12/31/2023
Rajeev	Thakur	1/1/2019	12/31/2023
Mikkel	Thorup	1/1/2016	12/31/2021
Chris	Umans	7/1/2018	6/30/2021
Jan	Vahrenhold	1/1/2017	12/31/2020
Greg	Valiant	7/1/2019	6/30/2022
Moshe	Vardi	7/1/2018	6/30/2022
Cristina	Videira Lopes	1/1/2016	12/31/2020
John	West	1/1/2016	12/31/2020
Jeannette	Wing	7/1/2019	6/30/2024
Alex	Wolf	1/1/2016	12/31/2021
Michael	Wooldridge	7/1/2017	6/30/2021

Purpose of the Committee

The Awards Committee is responsible for the conduct of the current awards prizes, fellowships, and other symbols of recognition of merit 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 and ACM President), 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 ACM President, the CEO (ex-officio), 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, were unable to hold an in-person Awards Committee meeting this year due to the COVID-19 pandemic

The ACM Awards Banquet

The annual ACM Awards Banquet, typically held in June in San Francisco, California, was cancelled due to the COVID-19 pandemic.

2019 Award Recipients

A.M. Turing Award

2019 Chair – Michael Carey

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.

**2019 Recipient: Patrick M. Hanrahan, Stanford University
Edwin E. Catmull, Pixar, Inc.**

For fundamental contributions to 3D computer graphics, and the impact of computer-generated imagery (CGI) in filmmaking and other applications.

ACM Prize in Computing:

2019 Chair – Edward Lazowska

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.

2019 Recipient: David Silver, Google

For breakthrough advances in computer game-playing.

ACM Charles P. “Chuck” Thacker Breakthrough in Computing Award:

This biennial award will be presented in FY2021

The ACM Breakthrough Award celebrates Chuck Thacker's pioneering contributions in computing and his long-term inspirational mentorship of generations of computer scientists. The award recognizes individuals or groups with the same out-of-the-box thinking and “can-do” approach to solving the unsolved that Thacker exhibited. The award is accompanied by a prize of \$100,000. Financial support for this biennial award is provided by Microsoft.

ACM Athena Lecturer Award:

2020-2021 Chair – Ravi Sethi

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.

2020-2021 Recipient: Sarit Kraus, Bar-Ilan University

For foundational contributions to artificial intelligence, notably to multi-agent systems, human-agent interaction, autonomous agents and non-monotonic reasoning, and exemplary service and leadership in these fields.

ACM Distinguished Service Award

2019 Chair – Jefferey Naughton

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.

2019 Recipient: Michael Ley, University of Trier and Schloss Dagstuhl – Leibniz Center for Informatics

For creating, developing, and curating DBLP, an extraordinarily useful and influential online bibliographic resource that has changed the way computer scientists work.

Outstanding Contribution to ACM Award

2019 Chair – Carla Ellis

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

2019 Recipient: Arati M. Dixit, North Carolina State University

For contributing to the growth and diversity of ACM programs in India, especially ACM-W India.

ACM Software System Award

2019 Chair– Ben Fried

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.

2019 Recipient: Paul V. Mockapetris, ThreatSTOP, Inc.

For the development of the Domain Name System (DNS), which provides the worldwide, distributed directory service that is an essential component of the global Internet

ACM Grace Murray Hopper Award

2019 Chair – Ron Perrott

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.

2019 Recipient: Maria Florina Balcan, Carnegie Mellon University

For foundational and breakthrough contributions to minimally-supervised learning.

ACM Karl V. Karlstrom Outstanding Educator Award

2019 Chair – Michael Caspersen

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.

2019 Recipient: Mordechai (Moti) Ben-Ari, Weizmann Institute of Science

For his pioneering textbooks, software tools and research on learning programming, concurrent programming, program visualisation, logic, programming languages and robotics, spanning four decades and aimed at both novices and advanced students in several sub-fields of computing.

ACM Paris Kanellakis Theory and Practice Award

2019 Chair – Josep Diaz

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.

**2019 Recipients: Noga Alon, Princeton University and Tel Aviv University
Phillip Gibbons of Carnegie Mellon University
Yossi Matias of Google and Tel Aviv University
Mario Szegedy of Rutgers University**

For seminal work on the foundations of streaming algorithms and their application to large scale data analytics.

ACM Doctoral Dissertation Award

2019 Chair – Jose Moreira

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.

2019 Recipient: Dor Minzer, Institute for Advanced Study

For his dissertation "On Monotonicity Testing and the 2-to-2 Games Conjecture", nominated by Tel Aviv University.

2019 Honorable Mentions:

Jakub Tarnawski, Microsoft Research

For his dissertation "New Graph Algorithms via Polyhedral Techniques", nominated by École polytechnique fédérale de Lausanne

Jiajun Wu, Stanford University

For his dissertation "Learning to See the Physical World", nominated by the Massachusetts Institute of Technology.

ACM/IEEE CS Eckert-Mauchly Award

2020 Chair – Sandhya Dwarkadas

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.

2020 Recipient: Luiz Andre Barroso, Google

For pioneering the design of warehouse-scale computing and driving it from concept to industry.

ACM- IEEE CS Ken Kennedy Award

2019 Chair – William Gropp

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.

2019 Recipient: Geoffrey Fox, Indiana University Bloomington

For foundational contributions to parallel computing methodology, algorithms and software, data analysis, and their interface with broad classes of applications.

ACM IEEE CS George Michael Memorial HPC Fellowship

2019 Chair – Boyanna Norris

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.

2019 Recipients:

Milinda Shayamal Fernando, University of Utah

For research on developing scalable parallel algorithms on modern heterogeneous architectures for applications in relativity, geosciences, and computational fluid dynamics.

Staci A. Smith, University of Arizona

For the development of a novel dynamic re-routing algorithm on fat-tree interconnects, which has resulted in significant performance improvements in multi-job HPC workloads.

ACM/AAAI Allen Newell Award

2019 Chair – Michael Wooldridge

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.

2019 Recipients:

Lydia E. Kavradi, Rice University

For pioneering contributions to robotic motion planning and their applications in bioinformatics and biomedicine, including the invention of randomized motion planning algorithms and probabilistic roadmaps.

Daphne Koller, insitro

For seminal contributions to machine learning and probabilistic models, the application of these techniques to biology and human health, and for contributions to democratizing education.

ACM Eugene L. Lawler Award for Humanitarian Contributions within Computer Science and Informatics

The Lawler Award recognizes an individual or a group who have made a significant contribution through the use of computing technology. The amount of this biennial award is \$5,000, and it is financially supported by individual contributions.

The next award will be the 2020 award.

The SIAM/ACM Prize in Computational Science and Engineering

This biennial, endowed award recognizes an individual(s) for outstanding research contributions to the field of computational science and engineering. The contribution(s) for which the award is made must be publicly available and may belong to any aspect of computational science in its broadest sense. The award includes a cash prize of \$5,000. Financial sponsorship is provided by SIAM (Society for Industrial and Applied Mathematics).

The next award will be the 2021 award.

ACM Gordon Bell Prize

2019 Chair – Arndt Bode

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.

2019 Recipients:

Sustained Application Performance/ Novelty of Programming Approach: *A Data-Centric Approach to Extreme-Scale Ab initio Dissipative Quantum Transport Simulations.*

Authors: Alexandros Nikolaos Ziogas, Tal Ben-Nun, Timo Schneider, Torsten Hoefler (ETH Zurich's Scalable Parallel Computing Laboratory) Guillermo Indalecio Fernández, Mathieu Luisier (ETH Zurich's Integrated Systems 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.

No 2020 Recipient was selected.

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

2019 Chair – Kathleen Fisher

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-eight new Fellows were inducted in 2019, bringing the number of ACM Fellows to 1,215:

Scott J. Aaronson, *University of Texas*
Tarek F. Abdelzaher, *University of Illinois at Urbana-Champaign*
Saman Amarasinghe, *MIT*
Kavita Bala, *Cornell University*
Magdalena Balazinska, *University of Washington*
Paul Beame, *University of Washington*
Emery David Berger, *University of Massachusetts*

Ronald F. Boisvert, *National Institute of Standards and Technology*
Christian Cachin, *University of Bern, Switzerland*
Brad Calder, *Google*
Diego Calvanese, *Free University of Bozen-Bolzano/Umea University*
Srdjan Capkun, *ETHZ (Swiss Federal Polytechnic, Zurich)*
Claire Cardie, *Cornell University*
Timothy M. Chan, *University of Illinois at Urbana-Champaign*
Kanianthra Mani Chandy, *California Institute of Technology*
Xilin Chen, *Institute of Computing Technology, Chinese Academy of Sciences*
Elizabeth F. Churchill, *Google*
Philip R. Cohen, *Monash University*
Vincent Conitzer, *Duke University*
Noshir Contractor, *Northwestern University*
Matthew B. Dwyer, *University of Virginia*
Elena Ferrari, *University of Insubria*
Michael J. Freedman, *Princeton University*
Deborah Frincke, *US National Security Agency*
Lise Getoor, *University of California, Santa Cruz*
Maria L. Gini, *University of Minnesota*
Subbarao Kambhampati, *Arizona State University*
Tamara G. Kolda, *Sandia National Laboratories*
Xiang-Yang Li, *University of Science and Technology of China*
Songwu Lu, *University of California Los Angeles*
Wendy E. Mackay, *Inria*
Diana Marculescu, *University of Texas Austin*
Sheila McIlraith, *University of Toronto*
Rada Mihalcea, *University of Michigan*
Robin R. Murphy, *Texas A&M University*
Marc Najork, *Google*
Jason Nieh, *Columbia University*
Hanspeter Pfister, *Harvard University*
Timothy M. Pinkston, *University of Southern California*
Mihai Pop, *University of Maryland at College Park*
Andreas Reuter, *Heidelberg Institute for Theoretical Studies*
Jeffrey S. Rosenschein, *Hebrew University*
Srinivasan Seshan, *Carnegie Mellon University*
Prashant J. Shenoy, *University of Massachusetts Amherst*
Peter W. Shor, *Massachusetts Institute of Technology*
Mona Singh, *Princeton University*
Ramesh K. Sitaraman, *University of Massachusetts Amherst*
Dawn Song, *University of California Berkeley*
Salvatore J. Stolfo, *Columbia University*
Dacheng Tao, *The University of Sydney*
Moshe Tennenholtz, *Technion*
Giovanni Vigna, *UC Santa Barbara*
Nisheeth K. Vishnoi, *Yale University*
Darrell Whitley, *Colorado State University*
Yuan Xie, *University of California Santa Barbara*

Moustafa Amin Youssef, Alexandria University
Carlo A. Zaniolo, University of California Los Angeles
Lidong Zhou, Microsoft Research Asia

ACM Distinguished Member

2019 Chair – Rao Mannepilli

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 62 new Distinguished Members in FY'20, of which there were **11 Distinguished Educators, 4 Distinguished Engineers and 47 Distinguished Scientists which brings the total number of Distinguished Members to 669.**

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 141 new Senior Members in FY'19, bringing the total to 2,633 as of June 2020.**

Intel International Science and Engineering Fair (ISEF)

2020 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 71st ISEF was cancelled due to the COVID-19 pandemic, and no winners were selected.

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'20.

Appendix

ACM A.M Turing Award

Alfred Spector	Two Sigma	azs@azs-services.com
Michael Carey	UC Irvine	mjcarey@ics.uci.edu
David Heckerman	Amazon	heckerma@microsoft.com
Joseph Sifakis	Verimag Lab IMAG	Joseph.sifakis@uni-grenoble-alpes.fr
Shafi Goldwasser	UC Berkeley; Simons Institute	Shafi@csail.mit.edu
Olga Sorkine-Hornung	ETH	sorkine@inf.ethz.ch
David Patterson	Google; UC Berkeley	davidpatterson@google.com
Jon Kleinberg	Cornell University	Kleinber@cs.cornell.edu
Rod Brooks	MIT	brooks@csail.mit.edu
Jeannette Wing	Columbia University	wing@columbia.edu

ACM Prize in Computing

Ed Lazowska	University of Washington	lazowska@cs.washington.edu
Kathryn McKinley	Google	ksmckinley@google.com
Alexei Efros	UC Berkeley	efros@eecs.berkeley.edu
Pankaj Jalote	IIT Delhi	jalote@iiitd.ac.in
Eric Horvitz	Microsoft Research	horvitz@microsoft.com
Dina Katabi	MIT	dina@csail.mit.edu
Moshe Vardi	Rice University	vardi@cs.rice.edu

ACM Athena Lecturer Award

Ken Anderson	University of Colorado	kena@cs.colorado.edu
Ravi Sethi	University of Arizona	ravi@makisethi.com
Gail Murphy	University of British Columbia	murphy@cs.ubc.ca
Susan Dumais	Microsoft	sdumais@microsoft.com

ACM Charles P. "Chuck" Thacker Breakthrough in Computing Award

Adele Goldberg		adeleg@neometron.com
Rick Rashid		rashid@rashidresearch.com
Alan Kay	Viewpointe Research	alan.nemo@yahoo.com
John Hennessy	Stanford University; Alphabet	hennessy@stanford.edu
Butler Lampson	Microsoft	BLampson@microsoft.com
Eric Brewer	Google	ebrewer@google.com

ACM Distinguished Service Award

Richard Snodgrass	University of Arizona	rts@cs.arizona.edu
Jeffrey Naughton	Google	naughton@google.com
Doug Burger	Microsoft Research	dburger@microsoft.com
Kal Li	Princeton	li@cs.princeton.edu
Anastasia Ailamaki	EPFL	anastasia.ailamaki@epfl.ch

Doctoral Dissertation Award

Brad Myers	Carnegie Mellon University	bam@cs.cmu.edu
Jose Moreira	IBM Research	jmoreira@us.ibm.com
Anne-Marie Kermarrec	EPFL	anne-marie.kermarrec@epfl.ch
Edouard Bugnion	EPFL	edouard.bugnion@epfl.ch
Greg Valiant	Stanford University	gregory.valiant@gmail.com
Jennifer Neville	Purdue University	neville@cs.purdue.edu
Val Tannen	University of Pennsylvania	val@cis.upenn.edu
Chris Umans	CalTech	umans@cms.caltech.edu
Piotr Indyk	MIT	indyk@mit.edu
Dan Suciu	University of Washington	suciu@cs.washington.edu
Martin Schulz	Technical University of Munich	martin.w.j.schulz@tum.de

ACM Grace Murray Hopper Award

Sihem Amer-Yahia	University of Grenoble	Sihem.Amer-Yahia@imag.fr
Renee Miller	University of Toronto	miller@cs.toronto.edu
Ron Perrott	Oxford e-Research Centre	r.perrott@gmail.com
Alex Smola	Amazon Web Services	alex@smola.org
Carole Goble	University of Manchester	carole.goble@manchester.ac.uk

Paris Kanellakis Theory and Practice Award

Edith Cohen	Google	edco@google.com
Josep Diaz	Barcelona Supercomputing Centre	diaz@cs.upc.edu
Tal Rabin	IBM	talr@us.ibm.com
Valerie King	University of Victoria	valking77@gmail.com

Karl V. Karlstrom Outstanding Educator Award

Renee McCauley	College of Charleston	mccauleyr@cofc.edu
Michael Caspersen	Aarhus	mec@cs.au.dk
Armando Fox	UC Berkeley	fox@cs.berkeley.edu
Judith Gal-Ezer	University of Israel	galez@open.ac.il

Eugene L. Lawler Award

Lucy Sanders	NCWIT; Microsoft Research	lucinda.sanders@colorado.edu
Carla Gomes	Cornell University	gomes@cs.cornell.edu
Robin Murphy	Texas A&M University	robin.r.murphy@tamu.edu
Karrie Karahalios	University of Illinois Urbana Champaign	kkarahal@illinois.edu

ACM/AAAI Allan Newell Award

Tom Dietterich	Oregon State University	tgd@oregonstate.edu
Michael Wooldridge	University of Oxford	michael.wooldridge@cs.ox.ac.uk
Julia Hirschberg	Columbia	julia@cs.columbia.edu
Sheila McIlraith	U Toronto	sheila@cs.toronto.edu
Lillian Lee	Cornell	llee@cs.cornell.edu

ACM Policy Award

Ben Shneiderman	University of Maryland	ben@cs.umd.edu
Michel Beaudoin-Lafon	Université Paris-Sud	mbl@lri.fr
Stuart Shapiro	MITRE	s_shapiro@acm.org
Harry Hochheiser	University of Pittsburgh	harryh@pitt.edu
Lorraine Kisselburgh	Purdue University	lorraine@purdue.edu

Outstanding Contribution to ACM Award

Carla Ellis	Duke University	carla@cs.duke.edu
Lori Pollock	University of Delaware	pollock@udel.edu
Gabriele Anders-Kotsis	Johannes Kepler University Linz	gabriele.kotsis@jku.at
Steve Bourne		srb@acm.org
Donna Cappel	ACM HQ	cappo@hq.acm.org

ACM Software System Award

Ben Fried	Google	bf@google.com
George Neville-Neil	Neville-Neil Consulting	gnn@neville-neil.com
Nenad Medvidovic	University of Southern California	nenad@usc.edu
David DeWitt	University of Wisconsin	david.dewitt@outlook.com
Camille Fournier	Two Sigma	skamille@gmail.com

ACM/IEEE CS Eckert-Mauchly Award

Sandhya Dwarkadas	University of Rochester	sandhya@cs.rochester.edu
Andre Seznec	Inria	andre.seznec@inria.fr
Kim Hazelwood	Facebook	kimhazelwood@fb.com
Lieven Eeckhout	Ghent University	Lieven.Eeckhout@ugent.be
Per Stenstrom	Chalmers University of Technology	pers@chalmers.se
Peh Li Shiuan	National University of Singapore	peh@nus.edu.sg

ACM/IEEE CS Eckert-Mauchly Award

Yves Robert	Ecole Normale Supérieure de Lyon	yves.robert@ens-lyon.fr
Karen Karavanic	Portland State University	karavan@pdx.edu
Ignacio Laguna	Lawrence Livermore National Laboratory	ilagunap@gmail.com
Tamara Kolda	Sandia National Laboratory	tgkolda@sandia.gov
Jack Dongarra	University of Tennessee	dongarra@icl.utk.edu
Bruce Jacob	University of Maryland	BLJ@umd.edu
Susan Rodger	Duke University	rodger@cs.duke.edu
Ewa Deelman	University of Southern California ISI	deelman@isi.edu

Gordon Bell Prize

Arndt Bode	Technical University of Munich; Leibniz SC Centre	bode@lrz.de
Bronis de Supinski	Lawrence Livermore National Laboratory	bronis@llnl.gov
Katrin Heitmann	Argonne National Laboratory	heitmann@anl.gov
George Biros	UT Austin	biros@ices.utexas.edu
Mark Parsons	EPCC at The University of Edinburgh	m.parsons@epcc.ed.ac.uk
Kenjiro Taura	University of Tokyo	tau@logos.t.u-tokyo.ac.jp
John Taylor	CSIRO; Data61	John.Taylor@data61.csiro.au
Edmond Chow	Georgia Tech	echow@cc.gatech.edu

International Science and Engineering Fair

Jan Vahrenhold	Technical University of Munich	jan.vahrenhold@uni-muenster.de
Fred Martin	University of Massachusetts, Lowell	fred.martin@csteachers.org
Jake Baskin	CSTA	jake.baskin@csteachers.org
Christina Gardner-McCune	University of Florida	gmccune@ufl.edu

ACM-IEEE CS Ken Kennedy Award

Antonia Bertolino	Italian National Research Council	antonia.bertolino@isti.cnr.it
Jeff Hollingsworth	University of Maryland	hollings@cs.umd.edu
Albert Cohen	Google	albertcohen@google.com
Jesus Labarta	Barcelona Supercomputing Centre	jesus.labarta@bsc.es
Daniel Reed	University of Utah	dan.reed@utah.edu
David Padua	University of Illinois Urbana-Champaign	padua@illinois.edu

SIAM/ACM Award in Computational Science and Engineering

Geoffrey Fox	Indiana University	gcf@indiana.edu
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ACM Fellows

Kathleen Fisher	Tufts University	kfisher@eecs.tufts.edu
Keith Marzullo	University Maryland	marzullo@umd.edu
Mary Shaw	Carnegie Mellon University	mary.shaw@cs.cmu.edu
Laura Haas	University of Massachusetts	lmhaas@cics.umass.edu
Randy Katz	UC Berkeley	randy@eecs.berkeley.edu
Joe Konstan	University of Minnesota	konstan@cs.umn.edu
Jim Larus	EPFL	james.larus@epfl.ch
Alex Wolf	UC Santa Cruz	alw@acm.org
Wen Gao	Peking University	wgao@pku.edu.cn
Mikkel Thorup	University of Copenhagen	mikkel2thorup@gmail.com
Bart Selman	Cornell University	selman@cs.cornell.edu
Rajesh Gupta	UC San Diego	rgupta@ucsd.edu
Daniela Rus	MIT	rus@csail.mit.edu

ACM Distinguished Members

Rao Manneplalli	Raytheon	raoym@ieee.org
Cristina Videira Lopes	UC Irvine	lopes@uci.edu
Jeanne Ferrante	UC San Diego	jferrante@ucsd.edu
John West	Texas Advanced Computing Center	john@tacc.utexas.edu
Carlo Ghezzi	Politecnico de Milano	carlo.ghezzi@polimi.it
David Rosenblum	George Mason University	dsr@gmu.edu
Silvia Giordano	University of Applied Sciences	silvia.giordano@supsi.ch
Lucian Popa	IBM Almaden	lpopa@us.ibm.com
Geraldine Fitzpatrick	Technical University of Vienna	geraldine.fitzpatrick@tuwien.ac.at
Matt Dwyer	University of Virginia	matthewbdwyer@virginia.edu
David Basin	ETH	basin@inf.ethz.ch
Rajeev Thakur	Argonne National Laboratory	thakur@anl.gov

ACM Awards Committee Co-Chairs:

John R. White	white@acm.org
Roy Levin	roy@levin.net

ACM Awards Committee Liaison:

Jade Morris	jade.morris@acm.org
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SGB Liaison:

Jeff Hollingsworth	University of Maryland	hollings@cs.umd.edu
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