



**Association for
Computing Machinery**

NEWS RELEASE

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International Computing Society Recognizes 2023 Distinguished Members for Significant Achievements

Pivotal Educational, Engineering, and Scientific Contributions Recognized

New York, NY, January 17, 2024 – ACM, the Association for Computing Machinery, has named [52 Distinguished Members](#) for significant contributions. All the 2023 inductees are longstanding ACM Members and were selected by their peers for work that has advanced computing, fostered innovation across various fields, and improved computer science education.

“The ACM Distinguished Members program recognizes both career achievement as well as participation in ACM,” said ACM President Yannis Ioannidis. “Many of these new 52 Distinguished Members have been selected for important technical achievements, while others have been chosen because of their service and/or work in computer science education, which lays the foundation for the future of our field. With the Distinguished Member designation, ACM also highlights how individual computing professionals maintain the health and growth of a global scientific society through membership and active engagement with their colleagues.”

The 2023 ACM Distinguished Members work at leading universities, corporations and research institutions in Australia, Belgium, Canada, China, Denmark, Finland, France, Germany, India, Israel, Italy, Switzerland, the United Kingdom, and the United States. This year’s class of Distinguished Members made advancements in areas including AI and economics, principles of data management, software development, human-computer interaction, developing technology for people with disabilities, mobile and wireless sensing systems, and many others.

The ACM Distinguished Member program recognizes up to 10 percent of the worldwide ACM membership based on professional experience and significant achievements in computing beyond the norm. To be nominated, a candidate must have at least 15 years of professional experience in the field and five years of Professional ACM Membership in the last 10 years, and must have achieved a significant level of accomplishment or made a significant impact in the field. Also, a Distinguished

Member is expected to have served as a mentor and role model to younger professionals.

2023 ACM DISTINGUISHED MEMBERS

Murali Annavaram

University of Southern California

For contributions to heterogeneous computer systems design for providing and advancing energy-efficient computing

Vijay Arya

IBM Research

For contributions to optimization, statistical inference, and machine learning in network design

Pernille Bjorn

University of Copenhagen

For contributions to understanding global software development, healthcare technologies, tech entrepreneurship, and equity in computing

Kai Chen

Hong Kong University of Science and Technology

For contributions to the design and implementation of data center networks

Reynold Cheng

The University of Hong Kong

For contributions to algorithms on large-scale data processing

Carla Fabiana Chiasserini

Politecnico di Torino

For contributions to the design of high-performance mobile networks

Mauro Conti

University of Padua

For research contributions to network, mobile, and embedded systems security

Sanmay Das

George Mason University

For contributions to AI and economics, AI for social good, and service to the profession

Jeff Forbes

National Science Foundation

For advancing efforts to address the critical issues of education and broadening participation in computing

Auroop R. Ganguly

Northeastern University

For foundational advances, sustained service, and entrepreneurial accomplishments in climate data mining and machine learning

Floris Geerts

University of Antwerp

For contributions to principles of data management and services to the community

Werner Geyer

IBM Research

For contributions to computer-supported collaborative work, AI-assisted

Roberto Giacobazzi
University of Arizona

collaboration, and social software in the enterprise

For contributions to the clarification of the roots of precision and imprecision in program analysis.

Eric Gilbert
University of Michigan

For influential contributions to the study and building of social computing systems.

Daniel Grosu
Wayne State University

For contributions to resource management in cloud and edge computing.

Boris Grot
University of Edinburgh

For contributions to computer architecture in the areas of network-on-chip and cloud-native servers.

Tao Gu
Macquarie University

For contributions to mobile and wireless sensing systems

Jingrui He
University of Illinois at Urbana-Champaign

For contributions to modeling data heterogeneity, connecting theory, methodology and real applications.

Eva Hornecker
Bauhaus-Universität Weimar

For contributions to tangible and embodied interaction theory research, and the founding of the ACM TEI conference and community.

Christopher Hundhausen
Oregon State University

For leadership and achievement in computing education research

Kyle Jamieson
Princeton University

For contributions in wireless sensing and localization

Shaun K. Kane
Google Research

For leadership in developing technology for people with disabilities, including non-visual UIs and ability-based design

Jofish Kaye
Wells Fargo

For contributions to multimodal human-computer interaction and service leadership to the ACM

Amy J. Ko
University of Washington

For contributions to human-centered theories of program understanding and the development of tools and learning technologies

Oren Kurland
Technion, Israel Institute of Technology

For contributions to the field of information retrieval, around formal models and game theoretic approaches

Yang Li <i>Google Research</i>	For research contributions intersecting human-computer interaction and artificial intelligence
Yun (Eric) Liang <i>Peking University</i>	For contributions to hardware and software co-design for domain specific accelerators
Lauri Malmi <i>Aalto University</i>	For contributions to international computing education research
Tommaso Melodia <i>Northeastern University</i>	<i>For contributions to architectures and algorithms for software-defined wireless networked systems</i>
Ishai Menache <i>Microsoft Research</i>	For improving cloud efficiency via principled algorithmic solutions
Anders Møller <i>Aarhus University</i>	For outstanding contributions in static and dynamic program analysis
Briana Morrison <i>University of Virginia</i>	For scholarship, leadership, and service to computing education and its communities
Santosh G Nagarakatte <i>Rutgers University</i>	Novel techniques for building formally verified compilers, correct math libraries, and hardware-software interfaces
Arnab Nandi <i>Ohio State University</i>	For contributions to human-in-the-loop data infrastructure, next-generation query interfaces, and interactive data analytics systems
Michael E. Papka <i>Argonne National Laboratory and University of Illinois Chicago</i>	For contributions in virtual reality, collaborative environments, scientific visualization, as well as research and operations in high performance computing.
Mathias Payer <i>EPFL</i>	For contributions to protecting systems in the presence of vulnerabilities
Sean Peisert <i>Lawrence Berkeley National Laboratory and University of California, Davis</i>	For contributions to research in securing large-scale infrastructure
Denys Poshyvanyk <i>William and Mary</i>	For contributions to integrating software analyses and machine learning for effective software evolution and maintenance
Amir Rahmani <i>University of California, Irvine</i>	For research in leveraging IoT data and AI for health modeling and lifestyle recommendation systems

Amanda Randles <i>Duke University</i>	For contributions to advancements in high-fidelity, multi-physics circulatory modeling methods using supercomputing for medical applications
Lionel P. Robert, Jr. <i>University of Michigan</i>	For contributions to the study of technology-mediated human and human-robot collaborations
Dario Rossi <i>Huawei Technologies France</i>	For multi-disciplinary approaches and his pioneering adoption of machine learning in networking research
Sudeep Sarkar <i>University of South Florida</i>	For contributions to the advancement computer vision and gait biometrics
Yan Solihin <i>University of Central Florida</i>	For contributions to shared cache architecture, secure processors, and persistent memory
Nesime Tatbul <i>Intel Labs and MIT</i>	For foundational scientific contributions in streaming data systems and time series analytics
Nicola Tonellotto <i>University of Pisa</i>	For contributions to the design of efficient algorithms for information retrieval systems
Daniel Vogel <i>University of Waterloo</i>	For contributions to Human-Computer Interaction and applications to novel forms of interaction
Dan Wang <i>The Hong Kong Polytechnic University</i>	For contributions to data-driven applications and platforms for cyber-physical energy systems
Adam Wierman <i>California Institute of Technology</i>	For contributions to online algorithms, scheduling theory, and their applications to sustainable computing
Lauren Wilcox <i>eBay, Google Research, and Georgia Institute of Technology</i>	For contributions to research in responsible AI, human-computer interaction, and health informatics
Chang Xu <i>Nanjing University</i>	For contribution to quality-assured software adaptation and evolution
Meihui Zhang <i>Beijing Institute of Technology</i>	For contributions to end-to-end data analytics and verifiable data management

About ACM

[ACM, the Association for Computing Machinery](#), is the world's largest educational and scientific computing society, uniting computing educators, researchers, and professionals to inspire dialogue, share resources and address the

field's challenges. ACM strengthens the computing profession's collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking.

About the ACM Recognition Program

The [ACM Fellows](#) program, initiated in 1993, celebrates the exceptional contributions of the leading members in the computing field. To be selected as an ACM Fellow, a candidate's accomplishments are expected to place him or her among the top 1% of ACM members. These individuals have helped to enlighten researchers, developers, practitioners, and end users of information technology throughout the world. The [ACM Distinguished Member](#) program, initiated in 2006, recognizes those members with at least 15 years of professional experience who have made significant accomplishments or achieved a significant impact on the computing field. ACM Distinguished Membership recognizes up to 10% of ACM's top members. The [ACM Senior Member](#) program, also initiated in 2006, includes members with at least 10 years of professional experience who have demonstrated performance that sets them apart from their peers through technical leadership, technical contributions, and professional contributions. ACM Senior Member status recognizes the top 25% of ACM Professional Members. The new ACM Fellows, Distinguished Members, and Senior Members join a list of eminent colleagues to whom ACM and its members look for guidance and leadership in computing and information technology.

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