



Association for  
Computing Machinery

*Advancing Computing as a Science & Profession*

## NEWS RELEASE

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### **ACM RECOGNIZES 2020 DISTINGUISHED MEMBERS FOR CONTRIBUTIONS THAT PROPEL THE DIGITAL AGE**

#### ***Longstanding Members Cited for Significant Achievements across the Computing Field***

**New York, NY, December 16, 2020** – ACM, the Association for Computing Machinery, has named 64 [Distinguished Members](#) for outstanding contributions to the field. All 2020 inductees are longstanding ACM members and were selected by their peers for a range of accomplishments that move the computing field forward.

“The active participation of ACM members, in our organization, and in the field more broadly, is the foundation of a global scientific society,” explains ACM President Gabriele Kotsis. “With the Distinguished Member designation, ACM celebrates specific contributions of these members and their career growth as reflected in a long-term commitment to the field, as well as their collaboration with peers in supporting a global professional association for the benefit of all.”

The 2020 ACM Distinguished Members work at leading universities, corporations and research institutions in Australia, Canada, China, India, Qatar, Singapore, Spain, Sweden, Taiwan, the United Kingdom and the United States. These innovators have made contributions in a wide range of technical areas including data science, mobile and pervasive computing, artificial intelligence, computer science education, computer engineering, graphics, cybersecurity, and networking, among many other areas.

The ACM Distinguished Member program recognizes up to 10 percent of ACM worldwide membership based on professional experience as well as significant achievements in the computing field. To be nominated, a candidate must have at least 15 years of professional experience in the computing field, five years of professional ACM membership in the last 10 years, and have achieved a significant level of accomplishment, or made a significant impact in the field of computing, computer science and/or information technology. In addition, it is expected that a Distinguished Member serves as a mentor and role model, guiding technical career development and contributing to the field beyond the norm.

#### **2020 ACM DISTINGUISHED MEMBERS**

**For Outstanding Educational Contributions to Computing:**

**Tiffany Barnes**  
*North Carolina State University*

**Barbara J. Ericson**  
*University of Michigan*

**Deepak Kumar**  
*Bryn Mawr College*

**Gloria Childress Townsend**  
*DePauw University*

**For Outstanding Engineering Contributions to Computing:**

**Eric W. Burger**  
*Georgetown University*

**Josiah Dykstra**  
*National Security Agency*

**Qi He**  
*LinkedIn*

**Anees Shaikh**  
*Google*

**For Outstanding Scientific Contributions to Computing:**

**Nael Abu-Ghazaleh**  
*University of California, Riverside*

**Fan Bai**  
*General Motors Research*

**Pavan Balaji**  
*Argonne National Laboratory*

**Jernej Barbic**  
*University of Southern California*

**Michael A. Bender**  
*Stony Brook University*

**Sourav S. Bhowmick**  
*Nanyang Technological University*

**Christian Bird**  
*Microsoft Research*

**Daniel Boley**  
*University of Minnesota*

**Longbing Cao**  
*University of Technology Sydney*

**Carlos Castillo**  
*Universitat Pompeu Fabra*

**Pablo Cesar**  
*Centrum Wiskunde en Informatica*

**Hao Chen**  
*University of California, Davis*

**Minghua Chen**  
*City University of Hong Kong*

**Albert Mo Kim Cheng**  
*University of Houston*

**Wen-Huang Cheng**  
*National Chiao Tung University*

**Kevyn Collins-Thompson**  
*University of Michigan*

**Cristina Conati**  
*University of British Columbia*

**Peng Cui**  
*Tsinghua University*

**Maribel Fernandez**  
*King's College London*

**Jianfeng Gao**  
*Microsoft Research*

**Ashish Gupta**  
*Google*

**Gillian R. Hayes**  
*University of California, Irvine*

**Sun-Yuan Hsieh**  
*National Cheng Kung University*

**Shuiwang Ji**  
*Texas A&M University*

**Yun Yao Li**  
*IBM Research - Almaden*

**Yan Liu**  
*University of Southern California*

**Xiaosong Ma**  
*Qatar Computing Research Institute, HBKU*

**Andrew McGregor**  
*University of Massachusetts Amherst*

**Samuel Pratt Midkiff**  
*Purdue University*

**Jeffrey Nichols**  
*Apple*

**Panagiotis "Panos" Papadimitratos**  
*KTH Royal Institute of Technology*

**Aaron Quigley**  
*University of New South Wales*

**Yuanyuan Tian**  
*IBM Research - Almaden*

**Anil Kumar Vullikanti**  
*University of Virginia*

**Vladimir Filkov**  
*University of California, Davis*

**Song Guo**  
*The Hong Kong Polytechnic University*

**Tracy Anne Hammond**  
*Texas A&M University*

**Bingsheng He**  
*National University of Singapore*

**Adriana Iamnitchi**  
*University of South Florida*

**Julie A. Kientz**  
*University of Washington*

**Xue (Steve) Liu**  
*McGill University & Samsung AI Center - Montreal*

**Alessio Lomuscio**  
*Imperial College London*

**Ashwin Machanavajjhala**  
*Duke University*

**Shahrad Mehrotra**  
*University of California, Irvine*

**Sudip Misra**  
*Indian Institute of Technology, Kharagpur*

**Alessandro Orso**  
*Georgia Institute of Technology*

**Sudeep Pasricha**  
*Colorado State University*

**Abhik Roychoudhury**  
*National University of Singapore*

**Hanghang Tong**  
*University of Illinois at Urbana-Champaign*

**Yu Wang**  
*Temple University*

**De-Nian Yang**  
*Institute of Information Science,  
Academia Sinica*

**Laurence T. Yang**  
*St. Francis Xavier University*

**Jieping Ye**  
*Beike & University of Michigan*

**Evangeline F.Y. Young**  
*The Chinese University of Hong Kong*

**Hongyu Zhang**  
*University of Newcastle*

**Lintao Zhang**  
*Microsoft Research Asia*

#### **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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