Candidate for President
(1 July 2024 – 30 June 2026)

Yolanda Gil
Fellow and Senior Director for Artificial Intelligence and Data Science Strategy
Information Sciences Institute

Director of AI and Data Science Initiatives
Viterbi School of Engineering
University of Southern California
Los Angeles, CA
U.S.A.

BIOGRAPHY

Dr. Yolanda Gil received her bachelor's degree ("Licenciatura") from the Polytechnic University of Madrid in Spain in 1985, and her Ph.D. in Computer Science from Carnegie Mellon University in 1992. She then joined the University of Southern California and is currently a Fellow and Senior Director for Artificial Intelligence and Data Science Strategy at the Information Sciences Institute, Director of AI and Data Science Initiatives at the Viterbi School of Engineering, and Research Professor in Computer Science and in Spatial Sciences. She is Director of Data Science programs with over 1,000 students and has created 10 joint interdisciplinary degrees across USC schools.

Her AI research focuses on knowledge-rich frameworks for interactive intelligent systems, with applications in scientific, military, and education contexts. She collaborates with scientists in many domains on semantic workflows and knowledge capture, provenance and trust, task-centered collaboration, reproducibility, and automated discovery. She has published over 250 peer-reviewed articles and has received best paper conference awards and journal recognitions for interdisciplinary research in AI for climate, neuroscience, and health.

Dr. Gil's leadership positions include serving as the 24th president of AAAI, as well as serving on editorial boards of journals on AI, cognitive science, data science, human computation, web semantics, and AI ethics. She was program chair of AAAI, ISWC, and IUI and track chair of WWW and ICML. She established the Symposium on Educational Advances in AI (EAAI), now co-located annually with AAAI. She served on the Advisory Committee of the National Science Foundation (NSF) Directorate for Computing and Information Science and Engineering (CISE). She was elected to NSF OAC/GEO EarthCube's Leadership Council and Chair of its Technology

and Architecture Committee. She has served on advisory boards of large multi-institutional projects in the US and Europe.

Dr. Gil initiated and led the W3C Provenance Group that resulted in a widely-used industry standard that provides foundations for trust on the Web.

She is a Fellow of ACM, AAAI, IEEE, the Cognitive Science Society, and AAAS. In 2022, she became the first computer scientist to receive the M. Lee Allison Award for Outstanding Contributions to Geoinformatics and Data Science from the Geological Society of America (GSA).

STATEMENT

ACM plays a critical role in inspiring students, researchers, educators, and professionals across the broad spectrum of computing. My own experience with ACM began when I joined as an undergraduate student in Spain and became connected to a world-wide community. My great belief in its importance led me to deeply engage over the years – as a conference chair, reviewer, author, and to serve on many committees. In terms of leadership, I was elected Chair of the ACM Special Interest Group in Artificial Intelligence (SIGAI) for two terms, from 2010 to 2016, and served a third term as Past Chair. I worked extensively with ACM to oversee AAMAS, HRI, and other conferences, and to establish the governance and elections for IUI and K-CAP. I helped to launch a new magazine (AI Matters) that continues today. During those years I also was a member of the ACM SIG Governing Board, which gave me an even deeper appreciation of the wide variety of ACM strategic initiatives across disciplines, across countries, and across life stages and career paths.

As ACM President, I will build on my experience as AAAI President-Elect, President, and Past-President (in total serving in the leadership from 2016 to 2022). During those years we quickly turned our main conference hybrid in the month when the pandemic was rising, and we transitioned to a new publications and management model. As AAAI President, I established a $1M award for AI for the Benefit of Humanity, created a recurring and significant budget to promote equity and inclusivity, and set up a new committee on US Initiatives and Policy to coordinate with ACM's activities in this area.

ACM is uniquely positioned to provide what I believe is a much-needed integrated view of computing in matters of technology ethics and policy. A great example is ACM's principles for transparency and accountability that should govern any algorithm. This is of particular interest to me, as I have been an active participant in initiatives around science policy for over a decade, attending policy forums and congressional visit days. In 2019, I co-chaired the CRA/AAAI 20-Year Artificial Intelligence Research Roadmap for the US with key strategic recommendations based on extensive academic and industry engagement. As part of this effort, I personally reached out to colleagues in many countries to learn about their national AI initiatives that were emerging at that time. Today I am a member of the ACM US Technology Policy Committee, where I see the importance of ACM in bringing diverse computing perspectives for AI, privacy, copyright laws, net neutrality, election security, and many other topics.

Computing leads to the most unpredictable, transformative, and far-reaching technologies in human history. Our success depends on marshalling the best talent to the broad diversity of computing career paths in all economic sectors and societal endeavors. I will lead ACM and the computing community to increase our impact in the world.

Candidate for President
(1 July 2024 – 30 June 2026)

Yannis Ioannidis
Professor of Informatics & Telecommunications
University of Athens
Greece

BIOGRAPHY

Yannis Ioannidis is the current president of ACM. He is a Professor of Informatics & Telecom at the U. of Athens, Greece (27 years). Before that, he was a Professor of Computer Sciences at the U. of Wisconsin-Madison (11 years). He has also served (10 years) as the President and General Director of ATHENA, the only Research & Innovation Center in Greece focusing exclusively on information technologies.

He holds a Ph.D. in Computer Sciences (U. of California-Berkeley), an MSc in Applied Mathematics (Harvard U.), and a Diploma in Electrical Engineering (Nat'l Technical Univ. of Athens).

His research interests include database and information systems, data science, data and text analytics, data infrastructures and digital repositories, recommender systems and personalization, and interactive digital storytelling. His work is often interdisciplinary, motivated by problems that arise in the Life, Physical, and Social Sciences, the Humanities, and the Arts. He has published over 170 articles, holds 4 patents, and has co-founded one start-up based on the results of his group's research.

Ioannidis is an ACM and IEEE Fellow (essentially both "for contributions to database systems, particularly query optimization"), a member of Academia Europaea, and a recipient of several research and teaching awards, including Presidential Young Investigator, UW Chancellor's

Teaching Award, VLDB 10-Year Best Paper, and Xanthopoulos-Pnevmatikos Award on Outstanding University Teaching (handed by the President of Greece).

He has been leading OpenAIRE, the open access infrastructure in Europe, for over a decade, he is a co-chair of the Global Climate Hub of the UN Sustainable Development Solutions Network, and he serves on the Advisory Board of the Destination Earth Initiative and the steering committee of the IEEE Int'l Conf. on Data Engineering.

An ACM member since 1983, in addition to serving as President, he has served as ACM Secretary/Treasurer, SIGMOD (SIG on Management of Data) chair and vice-chair, and member of the ACM Europe Council, the SIG Governing Board Exec Committee, the ACM Publications Board, and the ACM Digital Libraries Board. He has been a CACM associate editor, the faculty advisor of the ACM Student Chapter of his university, and the organizer of the first 3 ACM Europe Summer Schools, on Data Science. In 2017 he received the ACM SIGMOD Contributions Award.

STATEMENT

I am humbled and extremely honored to have been asked to seek a 2nd term as ACM President. The reason for accepting the committee's nomination is ACM4.0, my main presidential initiative, which aims at drafting a long-term strategic plan for our organization. It consists of 10 Presidential Task Forces (PTFs) that are being set up to investigate several critical and urgent issues and recommend action plans to address them. These supersede my goals expressed in my previous candidate statement and capture the needs, concerns, and priorities expressed by members, the broader computing community, and society at large. The strategic plan resulting from these PTFs is expected to be fundamental in many aspects, enrich the profile of ACM, and improve and expand its activities and operations.

Details of ACM4.0 appear in my Feb 2023 CACM column "To the Members of ACM". The main PTF objectives are outlined below:

Membership Model: Devise new model, inclusive of all ACM beneficiaries
Globalization: Increase global footprint, serving diverse regional needs
Youthification: Attract and serve needs of young professionals
UN Sustainable Development Goals: Facilitate computing-dependent efforts on the 17 SDGs
ACM Code of Ethics and Social Responsibility: Actionalize the Code principles
Open Science: Adopt OS methods in computing research
Products and Services Portfolio: Perform SWOT analysis and reform our offerings
Financial Model: Establish new model as income streams change
Bylaws: Reexamine ACM governance
Regional Offices: Employ staff around the world

In support of the underlying ACM4.0 vision, I have emphasized communication with our membership and beyond. I have attended most of the ten biggest and several smaller ACM/SIG conferences and non-ACM events, presenting ACM4.0, ACM Open (fully open-access DL), and other key initiatives in fireside chats, townhalls, and SIG business meetings. I have also met with academic and industry leaders and talked at several universities and student chapters globally, trying to put my finger on the pulse of the community. The experience has been very rewarding,

giving me a better understanding of existing gaps and potential matching benefits, while reaffirming the mission and values of ACM in the minds of many.

I believe in the transformative effect that ACM4.0 may have and take courage from the very positive feedback it has received. Indicative is that >600 people have responded to a relevant open call for volunteers. Given its magnitude and breadth, it is impossible for ACM4.0 to reach maturity and lead to concrete actions within a single presidential term. With the PTFs at various stages of development, I accepted to be a candidate so that, if honored to be elected as President again, I may continue my efforts to engage the broad community with ACM, support the PTF work until completion, and implement the resulting recommendations towards a renewed ACM that is ready for the challenges of the future and excels in fulfilling its mission.

Candidate for Vice President
(1 July 2024 – 30 June 2026)

Elisa Bertino
Samuel Conte Professor of Computer Science
Computer Science Department, Purdue University
West Lafayette IN
U.S.A.

BIOGRAPHY

Elisa Bertino is a professor of Computer Science at Purdue University. She has made pioneering contributions over 30 years to data management and data security theory and systems, along with contributions to broadening participation in computing via professional leadership and mentoring. Her contributions to data security and privacy include context-based access control, data integrity, privacy-preserving analytics, and data protection from insider threats. Her recent work focuses on security of cellular networks and IoT systems.

Prior to joining Purdue, she was a professor and department head at the Department of Computer Science of the University of Milan (Italy). She has been a postdoc at the IBM Research Laboratory (now Almaden) in San Jose, and a visiting professor at Singapore Management University and Singapore National University.

She has served as editor in chief of the IEEE Transactions on Dependable and Secure Computing, and coordinating co-editor in chief of the Very Large Database Systems (VLDB) Journal. She served as Chair of the ACM Special Interest Group on Security, Audit and Control (SIGSAC) for the period 2009-2013. She is a co-founder of the ACM Conference on Data and Application Security and Privacy (ACM CODASPY). The conference started in 2011 and is the main forum for high-quality research on data privacy and security.

Elisa Bertino is a Fellow member of ACM, IEEE, and AAAS. She received the 2019-2020 ACM Athena Lecturer Award and has been named to GSMA's Mobile Security Research Hall of Fame for her work on 4G and 5G cellular network security. She received the 2014 ACM SIGSAC Outstanding Contributions Award "For her seminal research contributions and outstanding

leadership to Data Security and Privacy for the past 25 years”, the 2002 IEEE Computer Society Technical Achievement Award "For outstanding contributions to database systems and database security and advanced data management systems" and the 2005 IEEE Computer Society Tsutomu Kanai Award for “Pioneering and innovative research contributions to secure distributed systems”.

STATEMENT

I have been a member of ACM for 40 years, and over the years, ACM has been an increasingly valuable resource for me. I am honored to have been nominated as candidate for Vice President of ACM. I served as chair of the ACM Special Interest Group on Security, Audit and Control (SIGSAC) and as ACM Security/Treasurer. I am currently serving as Vice President. I am proud to serve our community and contribute to the many exciting initiatives undertaken by ACM.

I strongly believe that the field of computer science is today more exciting than ever. We see fundamental advances, such as those made possible by AI, IoT systems, quantum computing, and 5G technologies, and unprecedented opportunities for novel applications. Our technologies have a fundamental role in shaping society and addressing the major challenges humanity faces today.

However, key questions need to be addressed, including AI and data ethics, data transparency, personal privacy versus collective security, and sustainability. Answers to those questions, as well as others posed by the pervasive use of our technologies, must be given by considering a broad multi-disciplinary perspective. If elected, I will work together with the ACM executive committee and the many volunteers and leaders in ACM to make sure that ACM has a central role in fostering discussions and initiatives to answer those questions as well as others posed by society concerning our technologies. I will also focus on important matters, such as broadening diversity in our field, supporting younger researchers, open access to data and publications, role of conferences vs journals, industry engagement, large-scale research infrastructures, and last but not least making sure that ACM is technically and globally relevant by organizing workshops and conferences on new emerging technologies and applications.

Candidate for Vice President
(1 July 2024 – 30 June 2026)

John West
Director of Leadership Computing
Texas Advanced Computing Center
Austin, TX
U.S.A.

BIOGRAPHY

John West is Director of Leadership Computing at the Texas Advanced Computing Center, one of the largest supercomputing centers in the world. In this role, his responsibility is to ensure that TACC provides the right mix of technology and expertise to enable its tens of thousands of users to make new scientific discoveries.

Before joining TACC, he was Director of the Department of Defense High Performance Computing Modernization Program, a multi-hundred million-dollar DOD-wide program that provides high performance computers and computational expertise to the DOD research community. Prior to that he held positions in private industry and the federal government, with responsibilities in computational modeling and high-performance infrastructure. He also founded the technical news site insideHPC.com, which he sold three years after launch; the company remains successful.

John currently serves as Secretary/Treasurer of ACM, a role which participates in oversight of ACM’s investments and the association’s annual budget. He is a founding officer of the ACM Special Interest Group on High Performance Computing (SIGHPC) and responsible for communications and member recruitment, setting records for financial viability and member growth. He also served as SIGHPC's Chair and Vice Chair. His efforts to foster a more inclusive computing community include creation of programs that have awarded more than $2.5M in fellowships and awards internationally to women and members of other groups underrepresented in computing. John also served as founding co-Chair of ACM's Diversity and Inclusion Council and was a member of ACM Council from 2019 to 2021. Between 1996 and 2020, he held leadership roles in one of ACM's largest conferences and has served in multiple capacities on editorial boards, including most recently as Associate Editor in Chief.

STATEMENT

ACM serves as a cornerstone for our community, providing essential resources and fostering a sense of community. Moreover, ACM extends its influence beyond academia, offering valuable resources to inform and shape technology-related policies in society.

During the last election, I noted that the pandemic and social challenges had created dramatic opportunities for computing to reshape the ways in which we work and relate to one another. Many of these forces will continue to influence our community over the next two years. I also want to highlight ACM Open, facing a key decision point in 2025. If implemented as envisioned, ACM Open will make content in the Digital Library available for free worldwide. This move will put ACM in a strong leadership position, leveling the playing field for researchers by eliminating barriers to access faced by institutions with fewer resources. However, like many paradigm shifts, the path to universal accessibility poses risks: in this case, potential revenue reduction and the related need to balance ACM's priorities and commitments against available resources. I believe my experience as ACM's Secretary/Treasurer and my experience leading large research and operational organizations has prepared me to lead conversations with ACM's members and stakeholders as we move approach an implementation decision.

I have previously emphasized the dramatic pace of change in our profession, mirroring societal shifts. We continue to face intense technical challenges in creating the tools of a new generation. As ethical professionals we also have the obligation to address important questions about who benefits from these tools, and who may be left behind. My long-term commitment to ACM stems from ACM's unique ability to bring together the many groups needed to hold meaningful conversations about how to address these issues. We are also uniquely positioned to respond to the changes in our profession as a growing number of people join computing from other fields, communicating the best of our established practices.

As ACM tackles these challenges, I believe my experiences leading organizations to address the needs of many different groups – and to balance today's urgencies against future growth – will serve ACM and its members effectively.

Candidate for Secretary/Treasurer
(1 July 2024 – 30 June 2026)

Tom Crick
Professor of Digital Policy
Computational Foundry and Department of Education, Swansea University
Swansea, UK

BIOGRAPHY

While Tom's disciplinary background is in computer science, his academic interests are naturally interdisciplinary and sit at the research/policy/practice interface, addressing citizen-centred, data-driven and computationally-intensive problems across a range of domains: data science, intelligent systems, cyber resilience, smart cities, software sustainability and reproducibility, as well as CS/STEM education, science/innovation policy, digital public services, and skills/infrastructure for the digital economy. His research and policy work has been funded by the UK Research Councils, the European Commission and the Welsh Government.

Alongside his current professorial position at Swansea University (2018-present), he has recently been appointed Chief Scientific Adviser to the UK Government's Department for Culture, Media and Sport (2023-present), providing scientific and technical advice to ministers and government, as well as wider leadership to foster high-quality policymaking.

Tom has significant experience of board-level governance, advisory roles and influencing at senior levels across government, industry and professional bodies/learned societies, including non-executive directorships of multi-billion-pound organisations in utilities, telecoms and healthcare. He has chaired national curriculum reviews in the UK over recent years, especially leading the reforms of computer science, digital skills and STEM education in Wales. He was previously Vice-President of BCS, The Chartered Institute for IT (2017-2020), as well as various ACM volunteer roles over the past 10 years.

His wider work has been recognised through a number of awards and fellowships, including: a BBC Science Media Fellow (2011); a UK National Teaching Fellow (2014); appointed MBE in the 2017 Queen's Birthday Honours for "services to computer science and the promotion of computer science education"; 2022 IET Achievement Medal in STEM Education and Policy; 2023 LSW Hugh Owen Medal; and a 2023 BCS Lovelace Medal. For more information about my work, see: https://proftomcrick.com and @ProfTomCrick.

STATEMENT

I am honoured to be nominated as the next Secretary/Treasurer for the ACM. Whilst I have supported a wide variety of ACM activities over my career to date (ACM Council, ACM Europe Council, Pubs Board, ICPS EiC, Europe TPC, SIGCSE, plus Student/Prof/Senior Member), I am keen to serve ACM more substantially on Council to further foster and develop a diverse and impactful international computing community and profession. It is clear we face a number of challenges – and opportunities – as a discipline, community and organisation over the coming years. There are clear scientific and technical priorities, as well as broad social, cultural and economic imperatives; for example: the widespread impact of digital, data, computational, and now AI, tools and processes on our lives; digital innovation, automation and the future of work; shifting legal, ethical and professional responsibilities; international collaborative research priorities (funding, socio-economic impact, mobility, open science/research, digital research infrastructure); changes to our education systems: curriculum reform, qualifications, accreditation and certification, and a range of challenges for academia; and supporting the careers and professional development of an increasingly diverse global computing profession.

Building on my previous experience and networks across academia, industry, policy and public engagement, I would relish the opportunity to provide effective governance and leadership for the ACM as its next Secretary/Treasurer. In a rapidly-shifting scientific, technical, political and policy landscape, much is possible – but this requires sustainable finances, structures and processes for the ACM to ensure continued growth and remain a key trusted global body for the discipline and domain of computing.

Candidate for Secretary/Treasurer
(1 July 2024 – 30 June 2026)

Rashmi Mohan
Director of Engineering
Splunk Inc.
San Francisco, CA
U.S.A.

BIOGRAPHY

Rashmi Mohan is currently a Director of Engineering at Splunk Inc. leading the Enterprise Security SIEM Detection and Content engineering teams. As a technology leader, she has managed, led, and grown teams of engineers and helped deliver complex products both on-prem and in the cloud in the security data analytics domain.

Previously, as co-founder at EnTrio Partners, she worked with startups on developing and giving wings to their product ideas while also assisting larger companies with their digital transformation journeys. Prior to that, she was a Sr. Engineering Manager at Yahoo Labs in Bangalore and led a group of scientists and engineers. She has spent 23+ years in various technical and management roles in the industry. Her work involved working with researchers and applied scientists in building prototypes and proof of concepts of the most cutting edge ideas being developed in the Labs. She previously worked in the User Data and Analytics group at Yahoo! working on reporting applications.

Rashmi has been on the ACM Council as a Member at Large since 2022 and on the ACM Practitioners Board since 2018 and is the founding member and host of the popular podcast series ACM Bytecast. Through the podcasts, she brings out the inspiring stories of eminent practitioners with the goal of highlighting their monumental work, and showcasing diverse paths to success. She has also served on the ACM India Council (2014-2018) as a Member at Large and as the ACM India Council Secretary (2016-2018). She actively participated in the ACM eminent speaker series, addressing ACM student chapters and ACM-W chapters across the country.

Rashmi has previously been associated with the Grace Hopper Conference in India for five years as a mentor, advisory committee member, Program Chair and founding member of the all women Hackathon. Rashmi was also a mentor at the Oracle Startup Cloud Accelerator and Google Launchpad. She is a prolific public speaker including a widely publicized talk at TEDx Chennai. Rashmi has a Bachelor's degree in Computer Engineering from Santa Clara University.

STATEMENT

In my tenth year of association as a volunteer with ACM, I am truly honored to be considered for the position of Secretary/Treasurer of ACM. Similar to my career, I have seen my involvement with ACM grow in scope, impact and responsibility during my tenure. Each role that I have played within the organization, be it on the ACM India Council, ACM Practitioners Board, hosting our podcast series ACM Bytecast, or as part of the ACM Council, has exposed me to deeper learning, and given me the opportunity to serve a different subsection of our membership base. I value the ability to bring my experiences from my industry career and other volunteer roles to offer a new perspective on the initiatives we drive within ACM.

My goals as Secretary/Treasurer would be to

● Help create meaningful forums and avenues to bring in students and early career computing professionals. The youth hold the future of the field of computing, pursuing new areas of interdisciplinary research and development and providing them with a forum for exchange of ideas, crafting ethical guidelines for their work, and an opportunity to collaborate is a worthwhile pursuit of ACM.

● Highlight the strong technical and professional content within the ACM to feature inspirational career paths, diverse thought leaders, and innovative computing research to our academic and practitioner community in easily consumable formats.

● Devise opportunities to make accessible our accomplished member base to entrepreneurs who are creating groundbreaking technology applications and seeking mentorship and expertise from the seasoned computing professional

My previous experience of being ACM India Council Secretary will serve me well in playing this role effectively. Thank you for the opportunity and I look forward to continuing to serve the ACM community.

Candidate for Member-at-Large
(1 July 2024 – 30 June 2028)

Ben Fried
Venture Partner
Rally Ventures
U.S.A.

BIOGRAPHY

Since 2022, Ben Fried has been a venture partner at Rally Ventures, an early-stage venture capital firm that primarily invests in enterprise technology startups. From 2008 to 2022, he worked at Google, where he was Chief Information Officer, leader of its New York offices, and general manager of its domain businesses. From 1994 to 2008 he worked in the Technology department at Morgan Stanley, an investment bank, where he led the firm's internet technologies efforts and its software development infrastructure teams.

As Google CIO, Fried led a multi-disciplinary organization of software engineers, product managers, user experience designers and researchers, site reliability engineers, systems integrators, and many other subfields as the organization grew from hundreds of employees to thousands, and opened development centers in Europe, Asia, and multiple U.S. locations.

Fried has been an active volunteer for the ACM for nearly 20 years, serving on the editorial board of *Queue* magazine since 2004, as a founding member of the Practitioner Board, on the audit committee, the nominating committee, the 2018 CEO search committee, and the Software System Award committee.

In addition, Fried co-chairs Columbia University's President's Council on Data and Society (the external board of Columbia's Data Science Institute), serves on Columbia Engineering's Board of Visitors and Columbia Entrepreneurship. Fried is also a director of Symphony Space, a New York City arts organization.

Fried received a B.A. in Computer Science from Columbia University in 1988.

STATEMENT

I first connected with the ACM as a freshman in college, when I stumbled upon its publications in the university computer center library. I loved programming, and I couldn't wait for new installments of Jon Bentley's *Programming Pearls* column.

I've been a practitioner my entire career, often pushing the state of the art to solve hard enterprise problems, first as a software and systems engineer and then as a builder and leader of diverse international technical teams. In everything I did, that early exposure to an interconnected world of research and advanced practice formed my approach and professional worldview.

Like me, half or more of the ACM's members are also practitioners, and my most meaningful volunteer contributions have been supporting this community, hoping to replicate for others the impact the ACM has had on me. On *Queue*'s editorial board, I've planned and authored content; as a founding member of the Practitioner Board, I proposed the case studies program; while on the software system award committee, I prioritized recognizing practical impact.

Now, I seek election so I can be a voice for this vital part of the ACM membership. Computing continues to evolve ever faster, and so do the needs of its practitioners. I hope to be a member-at-large to help guide ACM toward better connecting practitioners to research and education, and to advocate for how the organization with its global scale can foster the diversity and inclusivity that is essential to advancing research, education, and practice.

Candidate for Member-at-Large
(1 July 2024 – 30 June 2028)

Erol Gelenbe
Professor, Institute of Theoretical and Applied Informatics
Polish Academy of Sciences
Warsaw, Poland

BIOGRAPHY

Polytechnic Institute, New York University, Ph.D., 1970
Sorbonne University, Doctor Habil. of Mathematical Sciences, Paris, 1973
Habilitation, Committee for Scientific Excellence, Polish Academy of Sciences, 2023

Professional Experience

Professor, Polish Acad. Sciences, 2017–Present;
Dennis Gabor Professor, Imperial College, UK, 2003-19
Director, School of EECS, and Univ. Chair Professor, UCF, USA, 1998–03
Nello L. Teer Chair Professor/Dept. Chair of Electrical & Computer Engineering, Duke University, 1993–98
N.J. State Endowed Chair Professor of CS, NJIT, 1992–93
Professor/Director of the School of CS, Univ. Paris-Descartes, 1986–92
CS Professor, Univ. of Paris-Saclay, 1979-86
CS Professor, University of Liege, Belgium, 1974-79
Research Group Leader, INRIA, France, 1972-74
Asst. prof. of Computer, Info. and Control Engineering, Univ. of Michigan, 1970-74

ACM Activities

Co-Founder, ACM SIGMETRICS
Organizer/chair of 1st ACM European Conf., June 2-4, 1975
Editorial board: *ACM Ubiquity*
Served in leadership role for many ACM and IEEE conferences

Additional Affiliations

Chair, Academia Europaea, Informatics Section and WG on AI, 2023–Present
Editorial Board: *Acta Informatica, Computational Mgm., Sci., Performance Eval.*, *Simulation* EIC, *BCS Computer J.* 2008–12, *Springer Computer Science* 2018–20
Assoc. Editor, *IEEE Trans. on Software Engineering* 1979–86

Awards

IFIP Silver Core Award;
Parlar Foundation Science Award;
Grand Prix France Telecom;
ACM SIGMETRICS Lifetime Achievement;
Imperial College Rector's Research Award;
IET Innovation Award for ICT;
Mustafa Prize in Info. and Commun. Science and Technology;

Fellow: IEE; IEEE; ACM; IFIP; RSS; AIAA; Academy of Europe; French Academy of Technologies; Turkish Academy of Science; Foreign Fellow: Hungarian and Polish Academies of Sciences; Royal Belgian Academy of Sciences.

Honors from Heads of State

Commander of the Order of Merit, Italy
Grand Officier of the Order of the Star, Italy
Chevalier de la Legion d'Honneur, France
Commander of the Order of Merit, France
Commander of the Order of the Crown, Belgium

STATEMENT

ACM is at a stage of prominence and maturity that makes us justly proud, as the world's primary professional and technical organization in computer science, spanning both academia and industry across the world.

Yet, our discipline is now being challenged in its legitimacy as a source of social and technical progress. While controversies surrounding computer science are mainly related to artificial intelligence (AI), with mounting requests for regulation worldwide, they affect both computer hardware and software with requests for greater explainability, accountability and sustainability, so that any risks lying ahead may be identified and mitigated.

To face these new challenges and respond to the expectations of society, and respond to questions from governments and all sectors of society, ACM has the strength and depth to move forward with a well-organized response based on scientifically and technologically well-founded approaches, through our strong profession and increasingly diverse technical community.

As a Member at Large, I would plan to devote my time to help ACM's leadership, our members, SIGs, and organization, to set up the means to harness our collective international wisdom and the depth of our fellow ACM members. Our great diversity and worldwide reach can help us – together - respond to the new and challenges that our profession will face as new technologies gain foothold and pose challenges to education, knowledge, authorship, decision making, as well as the design and deployment of computer systems, software and networks. I will be greatly

honored to contribute my energy and international experience to address these major challenges in the years that lie ahead.

Candidate for Member-at-Large
(1 July 2024 – 30 June 2028)

Odest (Chad) Jenkins
Professor of Robotics
Professor of Electrical Engineering and Computer Science
University of Michigan
Ann Arbor, MI
U.S.A.

BIOGRAPHY

Odest Chadwicke Jenkins, Ph.D., is a Professor of Robotics and a Professor of Electrical Engineering and Computer Science at the University of Michigan. Prof. Jenkins is the inaugural Program Chair of the Robotics Major Degree Program launched in 2022 for undergraduates at the University of Michigan. Prof. Jenkins is concluding his second and final term as Editor-in-Chief for the ACM Transactions on Human-Robot Interaction. His research addresses problems in autonomous robotics and human-robot interaction, primarily focused on mobile manipulation, robot perception, and robot learning from demonstration. Prof. Jenkins is currently serving on the board of the CRA Committee on Widening Participation in Computing Research (CRA-WP) and as Vice President for Educational Activities for the IEEE Robotics and Automation Society. He has previously served on the CRA Computing Community Consortium (2019-22) and the Defense Science Study Group (2018-19). He has been recognized as a Sloan Research Fellow and is a recipient of the Presidential Early Career Award for Scientists and Engineers (PECASE). He is a Fellow of the American Association for the Advancement of Science (AAAS) and Association for the Advancement of Artificial Intelligence (AAAI). Prof. Jenkins earned his B.S. in Computer Science and Mathematics at Alma College (1996), M.S. in Computer Science at Georgia Tech (1998), and Ph.D. in Computer Science at the University of Southern California (2003).

STATEMENT

It has been an immense privilege to be a member of ACM throughout my career, since first joining as a college student in 1994. As the flagship society for computing, ACM has shaped our field and its leaders, enabled the continued growth of the computing ecosystem, and cultivated transformative scholarly, scientific, and technological advancements. This progress, however, also leads to new challenges and opportunities for ACM as computing continually evolves, especially with the transformational capabilities that have emerged in AI. First and foremost, ACM must lead in fostering innovations in training and education that prepare future generations to meet the rapidly accelerating need for computation and computational literacy across our society. ACM must continue its stalwart commitment to grow a diverse range of professional pathways into the computing professions that span theory and practice. This growth mindset will require a more expansive and inclusive approach to computing curricula and synergies with related emerging disciplines, such as robotics. The portfolio of premiere venues and sponsored conferences of ACM remain uniquely essential to the membership, the larger scientific and professional community, and the long-term intellectual health of computing. ACM must continually reaffirm its stewardship of computing in our highly dynamic world with a renewed focus on sustainable and open minded peer review processes. As ACM is the foundation for establishing integrity for the high professional standards of the computing disciplines, I will strive to help ACM adapt, innovate, and include such that we realize our ideals for both equity and excellence.

Candidate for Member-at-Large
(1 July 2024 – 30 June 2028)

John Kim
Professor, School of Electrical Engineering
Korea Advanced Institute of Science and Technology (KAIST)
Daejeon, Korea

BIOGRAPHY

John Kim is currently a professor in the School of Electrical Engineering at KAIST (Korea Advanced Institute of Science and Technology) in Daejeon, Korea. He received his B.S/M.Eng from Cornell University and his Ph.D. from Stanford University in Electrical Engineering. He has worked as a microprocessor design engineer at Intel and Motorola, contributed to the interconnection networks architecture at Cray, and was a visiting researcher at Hewlett-Packard Labs and Facebook. His research interests include computer architecture, interconnection networks, security, and mobile systems. In particular, his research addresses the challenges in designing efficient, scalable large systems with an emphasis on data movement or the communication component in modern digital systems.

John is currently serving as the Associate Editor-in-Chief of IEEE Computer Architecture Letters (IEEE CAL) and is also serving on the editorial board of ACM Transactions on Architecture and Code Optimization (TACO) and IEEE Micro magazine. Along with other colleagues, John helped to co-found the ACM SIGARCH chapter in Korea. He has served as an executive committee member for IEEE TCCA (2019-2021), and served on program committees of many conferences, including ISCA, HPCA, MICRO and ASPLOS. John has also served as the Technical Program Chair for HPCA 2024 conference as well as served as the General Co-chair for HPCA 2021-22. He has received the Google Faculty Research Award and the Microsoft-Asia New Faculty Fellowship.

STATEMENT

I am honored to be nominated as a candidate for Member-at-Large. I have been an ACM member since grad school and would welcome the opportunity to contribute to ACM and give back to the ACM community. ACM has grown internationally, especially in Asia. As a Member-at-Large, my vision is to ensure that the diversity of the community is reflected both in terms of opportunity through ACM as well as in terms of promoting service and volunteering opportunities. Over 10 years ago, a few colleagues and I noticed increasing interest in computer architecture locally in Korea, both in terms of academia and industry. We took the initiative of founding the ACM SIGARCH Korea chapter to better serve the local community and foster a community that did not exist. Similarly, I hope to promote closer collaborations globally between industry and academia, not only within the same domain but also across different disciplines in computing.

Having served as the General Co-Chair for two recent virtual conferences in the computer architecture community, I understand some of the challenges (as well as benefits) of virtual conferences. Even though we are returning to in-person conferences, I believe conferences should be more accessible through lower registration fees for students and (some) online presence. The online component should be leveraged to better engage the community, especially those who might not always be able to travel to conferences.

The impact of IT and computing on our lives continues to grow and impact many aspects of our daily lives. While there are positive benefits, there are also risks and negative side effects that can have severe consequences. I hope to initiate discussion on these challenges across disciplines to ensure that risks (and their associated challenges) can be properly addressed. As an ACM Member-at-Large, I will be committed to representing the ACM community and drive forward the initiatives that will help strengthen the ACM organization.

Candidate for Member-at-Large
(1 July 2024 – 30 June 2028)

Tanara Lauschner
Professor
Institute of Computing, Federal University of Amazonas (UFAM)
Manaus, Brazil

BIOGRAPHY

Tanara Lauschner has been a professor at the Institute of Computing at the Federal University of Amazonas (UFAM) in Manaus, in the heart of the Amazon region, since 2002. Throughout her career, she has held important positions at UFAM, including Director of the Institute and Dean of Technological Innovation. She has been an elected board member of the Brazilian Internet Steering Committee (CGI.br) for 6 years, where she has been involved in several initiatives related to Internet governance, with a particular focus on improving diversity aspects, including gender and regional representation and balance. She has also coordinated the Brazilian Internet Governance Forum under the United Nations and the Brazilian Youth Program.

Lauschner leads important capacity building initiatives and is actively involved in the Women in Computing movement, she is a member of the Council of the Digital Girls Program of the Brazilian Computer Society (SBC) and co-founder of the "Cunhantã Digital" movement, which aims to attract school girls to information technology in the state of Amazonas, Brazil. She also served as a board member of the Association for the Promotion of Brazilian Software Excellence (Softex), participated in the EU research project ATMOSPHERE, and coordinated the SUPER project, a major initiative from a partnership between UFAM and Samsung aimed at improving quality of education and graduation rates and assure scholarships for more than 500 socially vulnerable students in STEM programs.

She played a crucial role in securing the approval of a Brazilian public policy that ensures annual funding of approximately 50 million dollars for public universities in the Amazon. She is currently the Undersecretary for the Amazon at the Brazilian Ministry of Science and Technology.

STATEMENT

I am deeply honored to have been nominated for the position of Member at Large on the ACM Council. It is a great privilege for me to bring my background, living and studying in the Amazon region of Brazil, to the ACM community.

Throughout my career, my commitment to increasing the participation of women in computing has underscored the critical importance of diversity and inclusion. I have consistently advocated for these causes, and I firmly believe that ACM should always prioritize principles of gender, racial, and geographic balance in its policies and decisions.

Moreover, as we witness the profound impact of emerging technologies, particularly artificial intelligence, on exacerbating historical inequalities, it is imperative that ACM addresses these issues comprehensively. Ensuring that technology truly improves people's lives while protecting the environment requires a holistic view of these challenges.

One pressing issue in STEM is the high dropout rate among students, especially those from vulnerable cohorts. I believe that ACM could play a greater role in alleviating this situation, especially in underdeveloped countries.

As a Member at Large on the ACM Council, I aim to champion inclusive STEM education, foster global partnerships for knowledge exchange, promote gender and racial equity in computing, sustain the integration of ethical AI principles in ACM policies, and encourage interdisciplinary collaborations. My focus is on creating a more equitable, inclusive, and diverse computing field, as a reflection of our diverse global community. My hope is that ACM will continue to defend Science and motivate people to learn about the various paths of computing and ensure that this field can have a strong collaboration with other fields of knowledge.

Candidate for Member-at-Large
(1 July 2024 – 30 June 2028)

Alison Derbenwick Miller
Independent Consultant
Colorado, U.S.A.

BIOGRAPHY

Currently an independent consultant and Strategy Advisor to the Stanford Deep Data Research Lab, Alison Derbenwick Miller was most recently Vice President, Oracle for Research, leading Oracle's global research industry strategy. Alison was recognized in Business Insider's 2022 Cloudverse 100 list and was the Women Worth Watching 2022 STEM Award Winner. Alison currently serves as co-chair of the ACM Education Board and on the Editorial Advisory Board for ACM *Inroads*. Alison co-chaired the committee that authored *Retention in Computer Science Undergraduate Programs in the U.S.: Data Challenges and Promising Interventions* and has served as an Industry Advisory Board member for the GVU Center at Georgia Tech, a CSTA Advisory Council member, and a Colorado STEM Champion Board member.

Alison has a proven track record as a visionary leader. She founded Oracle for Research, launched Oracle Open Data, and supported 800+ scientific research projects globally. As Vice President, Oracle Academy, Alison grew Oracle Academy from 1.5 million to 6.3 million students with an annual global investment of $4+ billion. She led Oracle's involvement in numerous federal government initiatives, including NAIRR, "CS for All," "Let Girls Learn," and USAID's Build-IT project, receiving recognition from President Barack Obama. Alison has held numerous other roles, including leadership roles at Nuance Communications and Opscentric.

Alison has two submitted patents. Her research interests are in AI policy, intellectual property law, and power and women in technology. She holds bachelor's degrees in Communications and in History with Honors from Stanford University, and a master's degree in Jurisprudence and Social Policy from Boalt Hall School of Law at the University of California at Berkeley.

STATEMENT

I am honored to have been nominated as an ACM Council Member-at-Large candidate. As an ACM member, I have served on the Education Advisory Committee, Education Board, Editorial Board for *Inroads*, and participated in the ACM Council in a non-voting capacity.

Computer science is changing rapidly at a time when the reach and power of computing have significant implications for how we live, interact, work, learn, govern, and think. We are rightly excited about the good computing can do, but we can be less mindful of the concomitant challenges – like the climate impacts of wide-scale always-on computing, risks to individual privacy and liberty, costs of disinformation, and widening political and socioeconomic gaps.

Technology leadership and decision-making on key issues like privacy and AI regulation should not be left primarily to for-profit companies. I believe ACM has a critical role to play in leading, informing, engaging, challenging, unifying, connecting, and expanding the computing community. ACM must leverage its global perspective, experience and resources to create new opportunities for open, multidisciplinary, interdisciplinary conversation and to drive international collaboration and consistency even as it works to address local needs and goals.

My social sciences academic background along with 30 years of computing industry experience gives me a unique perspective, and if I am elected, I will use this to advance issues that are critical to the wider ACM community, including open data/open access, AI policy, more closely linking education, research and industry, and increasing diversity. As a Member-at-Large, I believe I can bring significant value to ACM as it leads the wider community, and would be both honored and excited to serve.

Candidate for Member-at-Large
(1 July 2024 – 30 June 2028)

Alejandro Saucedo
Director of Engineering, Applied Science, Product & Analytics
Zalando SE

Chief Scientist
Institute for Ethical AI & Machine Learning
Berlin, Germany

BIOGRAPHY

Alejandro actively contributes to the ACM by leading AI & Machine Learning initiatives within the ACM European Technology Policy Committee through his work on Explainable AI systems and responsible Machine Learning. Alejandro is passionate for his involvent in the ACM and continuously advocates for the ACM and its members, actively contributing to various tactical and strategic initiatives across ACM for many years. Recent contributions from Alejandro across the ecosystem include the **ACM Global Generative AI Principles**, **ACM Algorithmic (AI) Responsibility Principles**, policy statements for the **EU AI Act**, **EU Digital Services Act**, and the **UK AI Regulatory Framework**, between others. Alejandro is currently the **Chief Scientist** at the **Institute for Ethical AI & Machine Learning**, where he leads the development of industry standards on machine learning bias, AI Security and data privacy. Alejandro is also the **Director of Engineering, Science & Product** at **Zalando SE**, where he is responsible for a large portfolio of (10+) products and platforms, including one of Zalando's large-scale central data platforms, and several State-of-the-Art machine learning systems (Forecasting, Causal Inference & NLP). With 15 years of software development experience, Alejandro has held technical leadership positions across hyper-growth scale-ups, and large technology organisations; he has a strong track record building cross-functional technology departments from scratch, and leading the delivery of large-scale machine learning systems across the financial, insurance, legal, transport, manufacturing and construction sectors (in Europe, US and Latin America). Alejandro currently serves as **AI Expert** for the **United Nations'** High-Level Expert Group on AI, and **Chair** of the **AI Security Committee** at the **Linux Foundation**.

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STATEMENT

The ACM continues to represent the core values that encompass my passion for our profession, and as an organisation the ACM has managed to evolve through the decades to continuously drive our field forward whilst staying true to its grass-root values. I am honored to be nominated as a Member at Large, as that offers me the opportunity to give back directly to the great ACM community and contribute to the many initiatives that make this member-driven organisation so great.

As a member at the ACM community I have been active through several practitioner, academic, and policy initiatives. My volunteering work has consisted mostly around contributions through workstreams that focus on social responsibility and emerging technologies. I am active across various communities advocating the ACM values through global open source and technology conferences and forums, as well as through my advisory roles at the Linux Foundation, the European Commission, and the Institute for Ethical AI. I am continuously looking to explore ways of expanding the ACM's reach through internal and external initiatives.

As an ACM Member at Large, my main objective will be to focus on the core internal member-driven initiatives that have made the ACM an organization whose members are proud to continue contributing and representing. The social, professional, and ethical responsibilities of practitioner and academic members are a key area that I am keen to continue advocating through the great resources ACM members have created. As an ACM Member at Large, I will be committed to represent the ACM community and drive forward the initiatives that will help strengthen this great members driven organisation.

Candidate for Member-at-Large
(1 July 2024 – 30 June 2028)

Heena Timani
Director
iAnanya Datalytix Pvt.Ltd.
Ahmedabad, Gujarat, India

BIOGRAPHY

Heena Timani presently serves as a Data Scientist and Director at iAnanya Datalytix Pvt. Ltd. in Ahmedabad, India, since 2020. Prior to this, she served as a faculty member in School of Computer Studies at Ahmedabad University from 2009 to 2019, where she meticulously crafted and delivered courses in Business Analytics and Data Science.

Heena completed her Ph.D. in Statistics from Bhavnagar University, specializing in the applications of Bayesian Network in Business Intelligence and Analytics. She holds a BSc in Mathematics and Statistics, along with an MSc in Statistics from Gujarat University. Her research areas are Bayesian inference, probabilistic graphical models and data science.

In 2014, Heena was a faculty sponsor to establish the ACM W Student chapter at Ahmedabad University. She actively served in the ACM Ahmedabad Professional Chapter (India), holding the position of Vice Chair from 2015- 2017 and as Chair from 2017-2019. Since 2018, her dedication has been directed towards the ACM Women India Committee, initially serving as Treasurer from 2018-2019 and later advancing to the position of Chairperson. Heena's leadership extended over two consecutive terms for the ACM-W India Committee, spanning from 2019- 2021 and 2021-2023. Currently, she contributes as the Past Chair of ACM-W India Committee.

Heena has organized several national-level hackathons (4 on campus, 2 virtual) for female undergraduate students, conducted research-oriented Grade Cohort workshops (3 on campus, 2 virtual) for female research scholars, ACM W Workshops on theme Women in Computer Science and Research, Lady Ada programming competitions and ACM India celebrations honoring women in computing.

In 2016, she led a joint event of TCS and ACM India CSpathshala workshop introducing Computational Thinking to schools in Ahmedabad. She contributed to the organizing committee for the ACM India Annual Event at IIT Gandhinagar in 2019 and played a pivotal role in coordinating the inaugural Indo-European ACM Celebration of Women in Computing, held virtually in 2023.

STATEMENT

Having volunteered for a decade in ACM India activities, I feel honored to contribute to the broader global community. My objective is to advance ACM's efforts in implementing solutions that address the societal, economic, and environmental challenges faced by the world through the lens of computing technology.

Empowering Inclusion as the Key Driver of Diversity
Diverse teams encompass individuals with varying attributes such as gender, ethnicity, physical abilities, disabilities, educational backgrounds, socioeconomic status, and work experience, among other distinctive characteristics. I am deeply committed to promoting and encouraging greater participation of women in the computing field. Recognizing the importance of diversity in driving innovation and creativity, I aim to create an inclusive environment that empowers women to thrive in the world of computing. This involves implementing targeted initiatives to address barriers, providing mentorship opportunities, and fostering a supportive community that champions the contributions of women in technology.

Foster Synergy Between Industry and Academia
Multidisciplinary approach in different schools of universities using technology and computing. I aspire to cultivate an atmosphere that promotes increased collaboration between industry and academia in research. My aim is to initiate programs dedicated to improving the overall quality of computing education at all levels by fostering meaningful partnerships with the industry.

Fostering Collaboration Between Professionals and Students Chapter
In my pursuit to revitalize our student chapters, I am dedicated to promoting dynamic activities and cultivating collaboration with other student chapters, particularly through ACM professional and student regional events. The goal is to create a thriving ecosystem that not only enhances the experiences of individual members but also facilitates meaningful connections and exchanges among different ACM chapters of the different regions in the world.