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

Yannis Ioannidis
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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.