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.