

Candidate for Councilor



Rosa M. Badia
Barcelona Supercomputing Center (BCS), Spain

BIOGRAPHY

Academic Background:

PhD, Universitat Politècnica de Catalunya, 1994, Computer Sciences.

Professional Experience:

Group Manager, Barcelona Supercomputing Center, Barcelona, Spain, 2005 – Present;
Scientific Researcher, Spanish National Research Council (CSIC), Barcelona, Spain, 2008 – 2019;
Associate Professor, Universitat Politècnica de Catalunya, Barcelona, Spain, 1997 – 2008.

Professional Interests:

High Performance computing; Distributed Computing; Programming models for parallel and distributed computing; Tools for workflow development; Cloud computing.

ACM Activities:

Working Group for Enhancing European Research Visibility, ACM Europe, 2021 – Present;
ACM International Conference on Supercomputing, Programme chair, 2020;
ACM-IEEE CS George Michael Memorial HPC Fellowships, Member of the committee, 2017 – 2019.

Membership and Offices in Related Organizations:

IEEE TMRP committee, IEEE, 2020 – Present;
IEEE Transactions on Parallel computing - Associate editor, IEEE, 2020 – Present;
IEEE CS TCHPC Early Career Researchers Award, IEEE, 2020.

Awards Received:

Euro-Par Achievement Award 2019;
DonaTIC award, category Academia/Researcher, 2019.

STATEMENT

I am the manager of the Workflows and Distributed Computing research group at the Barcelona Supercomputing Center (BSC). I have been contributed to the research in Parallel programming models for multicore and distributed computing with contributions to task-based programming models during the last 15 years. My research group focuses on parallel task-based programming for distributed computing and its application to developing large heterogeneous workflows that combine HPC, Big Data, and Machine Learning. The group is also doing research on parallel machine learning. I have been very active in projects funded by the European Commission and in contracts with industry.

I would like to contribute to ACM Europe Council by expanding the presence of Europe within ACM and by promoting European candidates in ACM bodies and grades. I would also like to contribute to increasing women's visibility in CS and IT technology, which is under-represented. Besides, I would like to support the organization of relevant ACM Computer Sciences conferences in Europe.

Candidate for Councilor



Tom Crick
Swansea University, UK

BIOGRAPHY

Academic Background:

PhD, University of Bath, UK, 2009, Computer Science.

Professional Experience:

Professor of Digital Education & Policy, Swansea University, UK, 2018 – Present;
Commissioner, National Infrastructure Commission for Wales, UK, 2018 – Present;
Professor of Technology & Public Policy, Cardiff Metropolitan University, UK, 2009 – 2018.

Professional Interests:

Computer science education; Digital skills; Digital economy; Digital/data infrastructure;
Data science.

ACM Activities:

Member-at-Large, ACM Council, 2020 – Present;
Vice-Chair, ACM Europe Council, 2019 – Present;
Member, ACM Europe Council, 2017 – Present.

Membership and Offices in Related Organizations:

Advisory Group, Council Formation Project, UK Cyber Security Council, 2020 – 2021;
Member, Education & Skills Policy Panel, Institution of Engineering & Technology, 2019 – Present;
Vice-President, BCS, The Chartered Institute for IT, 2017 – 2020.

Awards Received:

BERA Public Engagement and Impact Award, 2020;
Fellow, Learned Society of Wales, 2020;
Appointed MBE in the Queen's Birthday Honours, 2017;
UK National Teaching Fellow, 2014.

STATEMENT

My academic interests are naturally interdisciplinary and sit at the research/policy/practice interface. Alongside my work in data science, intelligent systems, cyber security, and skills/infrastructure for the digital economy, I have been heavily involved in science/innovation/digital policy in the UK over the past ten years, as well as leading major STEM curriculum reform in Wales. Alongside non-executive board-level roles, I am also Editor-in-Chief of The Computer Journal.

I would be delighted to serve on the ACM Europe Council for a second term, building on my recent experience as Vice-Chair, as well as having been elected Member-at-Large of ACM Council. It is clear we continue to face significant social, culture and economic challenges; it is also clear that digital/data/computation have a major role to play to better understand and address some of these major challenges. I wish to continue to foster and support ACM activities in Europe, especially those focused around digital education/skills, as well as bringing together a diverse and trusted community of expert academics, practitioners and policymakers.

For further information about me, please see my blog: <https://proftomcrick.com> or you find me on Twitter: @ProfTomCrick.

Candidate for Councilor



Manuel V. Hermenegildo
IMDEA Software Institute and Technical U. of Madrid (UPM), Spain

BIOGRAPHY

Academic Background:

PhD, The University of Texas at Austin, 1986, Computer Science and Engineering.

Professional Experience:

Distinguished Prof./Founding Director, IMDEA Software Institute, Madrid, Spain, 2007 – Present;
Full Professor, Technical University of Madrid (UPM), Madrid, Spain, 1990 – Present;
Endowed Chair, The University of New Mexico, Albuquerque, New Mexico, US, 2003 – 2010.

Professional Interests:

Program Analysis, Verification, and Optimization; Non-functional Properties (Time, Memory, Energy, ...); Abstract Interpretation; Partial Evaluation, Program Parallelization; Constraint/Logic/Functional Programming.

ACM Activities:

Member, Executive Committee, ACM Europe Technology Policy Committee, 2020 – Present;
Member, Steering Committee, ACM Principles of Programming Languages, 2010 – 2013;
Associate Editor, ACM Transactions on Programming Languages and Systems, 2000 – 2004;
Faculty Advisor, UPM ACM Student Chapter, 1992 – 2000.

Membership and Offices in Related Organizations:

President, Scientific Board, INRIA, France, 2017 – Present;
Vice-President, Executive Board Member, Informatics Europe, 2014 – 2018;
Member, Scientific Board, Schloss Dagstuhl, 2012 – 2020.

Awards Received:

ICLP Test of Time Award (10-year most influential paper), 2017;
Member Academia Europaea, 2010;
Spain National Prize in Computer Science and Mathematics, 2006;
Aritmel Prize for Scientific Merit in Computer Science (Spanish), 2006.

STATEMENT

I would like to promote Europe's presence within ACM, including increased participation of European members and their views in ACM activities and policy, as well as promoting the recognition of European members by ACM. I would also like to help increase the collaborations of ACM with related scientific organizations in Europe and the Commission.

More generally, I would like to contribute to increasing the recognition and understanding by both policy makers and the public in general of the role of different areas of CS as vital enabling technologies for the modern world, in Europe and internationally. I strongly believe such understanding can help shed light on many areas of policy making.

An important component for achieving this goal is the presence of computer science subjects in general education. While good progress has been made in this area, I believe further impetus is needed that can only come from European-level policy. I have contributed before to these objectives in different roles at Informatics Europe and Spanish national and regional policy bodies and would like to continue work in this direction by pushing the "Informatics for All" agenda from the side of ACM Europe.

Candidate for Councilor



Yannis Ioannidis
University of Athens and Athena Research Center, Greece

BIOGRAPHY

Academic Background:

Ph.D., University of California - Berkeley, 1986, Computer Sciences / Data Management / Data Management.

Professional Experience:

Professor (Associate to Full), National and Kapodistrian University of Athens, Greece, 1997 – Present;
President and General Director, Athena Research & Innovation Center, Athens, Greece, 2011 – 2021;
Professor (Assistant to Full), University of Wisconsin, Madison, WI, USA, 1986 – 1999.

Professional Interests:

Database and Information Systems; Data Science; Recommender Systems and Personalization
Electronic Infrastructures; Human-Computer Interaction.

ACM Activities:

Member, Europe Council, 2017 – Present;
Secretary - Treasurer, ACM, 2018 – 2020;
Member (SGB liaison), Publications Board, 2014 – 2018;
Chair, SIGMOD, 2009 – 2013.

Membership and Offices in Related Organizations:

Member of Steering Committee, IEEE Int'l Conference on Data Engineering, 2016 – Present;

Member, IEEE Technical Committee on Data Engineering, 2005 – 2009;

Member of Board of Trustees, VLDB Endowment, 1998 – 2004.

Awards Received:

ACM SIGMOD Contributions Award, 2017;

Academia Europaea Member, 2011;

IEEE Fellow, 2010;

ACM Fellow, 2004.

STATEMENT

If reelected to the ACM Europe Council, I will continue working on ACM having a larger footprint in Europe and on Europeans being more prominently involved in ACM bodies. In the same formal spirit followed for technology policy, I would like to upgrade, escalate, and/or accelerate our European efforts in serving members on each “triangle of knowledge” node (research-innovation-education).

Being interested in scholarly communication and the research lifecycle, I would like to help ensure that last year’s decision for a completely open access ACM is implemented successfully. Also, being a national delegate and a vice-chair of ESFRI (European Strategy Forum on Research Infrastructures), and the coordinator of several European data infrastructures, I want to increase ACM’s role in shaping all interdisciplinary areas with computing at their foundation.

Additionally, to inspire young people to follow a career in computing, I want to intensify ACM Europe’s efforts on informatics education and on catalyzing the inclusion of computing and algorithmic thinking as a basic curriculum strand right from the beginning of schooling in Europe and globally. Finally, after organizing four ACM Europe Summer Schools, I want to help establish a formal diverse program of such Schools.

Candidate for Councilor



Valerie Issarny
INRIA, France

BIOGRAPHY

Academic Background:

Habilitation, University of Rennes I, 1997, Computer Science.

Professional Experience:

Director of research, Inria, Paris, France, 2001 – Present;
Scientific director, Inria@SiliconValley, Berkeley, CA, USA, 2013 – 2018;
Visiting researcher, University of California, Berkeley, CA, USA, 2013 – 2018.

Professional Interests:

Software engineering; Middleware; Pervasive computing; IoT; Computer science in the interest of society.

ACM Activities:

Editor in Chief, ACM TAAS, 2021 – Present;
Associate Editor, ACM TIOT, 2018 – Present;
Co-General Chair, IoTDI, 2021;
Co-TPC chair, IoTDI, 2020.

Membership and Offices in Related Organizations:

Associate Editor, IEEE TSC, 2017 – Present;
Associate Editor, IEEE TSE, 2018 – Present;
Member, IEEE, 2015 – Present.

Awards Received:

UC Berkeley Chancellor's award for Public Service (co-recipient), 2017;
Chevalier de la légion d'honneur, 2014;
Etoile de l'Europe, 2013.

STATEMENT

I am a board member of the ACM Europe Council since Autumn 2017 and serving as secretary/treasurer since 2019. If re-elected I look forward to continuing to contribute to the actions of ACM Europe. This includes developing synergistic ties between research and innovation within the computer science domain, and also between computer science and other disciplines. I am particularly interested in the development of computer science research and innovation in the interest of society. I also want to help foster diversity and early engagement (of women and students) by offering a community of like-minded people and a network of mentorship and support. Finally, as a true European believer, I want to promote the presence of European Research and Innovation worldwide and especially within ACM.

Candidate for Councilor



Bran Knowles
Lancaster University, UK

BIOGRAPHY

Academic Background:

PhD, Lancaster University, 2013, Digital Innovation.

Professional Experience:

Senior Lecturer, Lancaster University, Lancaster, UK, 2020 – Present;
Lecturer, Lancaster University, Lancaster, UK, 2016 – 2020;
Research Associate, Lancaster University, Lancaster, UK, 2015 – 2016.

Professional Interests:

Trust in AI; ICT and Climate Change; HCI and aging; Children's data privacy; Trust in Computer-Supported Cooperative Work.

ACM Activities:

Member, ACM Tech Briefs Committee, 2021 – Present;
ACM Representative, To the Partnership on AI, 2020 – Present;
Climate Working Group Lead / Member, ACM Europe Technology Policy Committee, 2018 – Present;
Member, ACM Social Responsibility Task Force, 2018.

Membership and Offices in Related Organizations:

Working group member, "Responsible Publication Norms", The Partnership on AI, 2020 – Present;
Working group member, "Trustworthy AI", The Partnership on AI, 2019;
Working group member, "Ethics in Artificial Intelligence", ACM Europe & Informatics Europe, 2017.

Awards Received:

Best Paper, DIS'19, 2019;

Best Paper Honorable Mention, CSCW'15, 2015;

Best Paper Honorable Mention, CSCW'14, 2014.

STATEMENT

My work is highly interdisciplinary and deeply human centric, examining the societal impacts of computing technologies to inform policy that maximises computing's contribution to human thriving. Though still an early career researcher, I am a leading scholar in two key areas of broad European importance, namely public trust in AI and the climate impacts of computing. Both of these issues require governance, and ACM is well placed to facilitate collective dialogue on practical challenges entailed therein. My first aim is for the Europe Council to show leadership on climate, e.g. hosting a Computing Climate Summit to advance a plan for reducing ICT's carbon footprint in line with the Paris Agreement.

Growing the ranks of committed, young ACM members is essential to ACM continuing to do good work. As a member of the Europe Council I plan to lead student-oriented initiatives including:

- 1) Establishing a prize that recognizes student excellence, with winners featured in a spotlight article on ACM Europe's webpage;
- 2) Helping students explore career paths in Computing through a new ACM Europe Stories (vlog) series, with particular emphasis on soliciting stories of career journeys from individuals who identify as being from under-represented groups.

Candidate for Councilor



Panagiotis "Panos" Papadimitratos
KTH Royal Institute of Technology, Sweden

BIOGRAPHY

Academic Background:

PhD, Cornell University, 2005, Electrical and Computer Engineering.

Professional Experience:

Professor, KTH Royal Institute of Technology, Stockholm, Sweden, 2017 – Present;
Chief Cybersecurity Expert, Research Institutes of Sweden (RISE), Swedish Institute of Computer, Kista, Sweden, 2018 – 2019;
Associate Professor, KTH Royal Institute of Technology, Stockholm, Sweden, 2010 – 2017.

Professional Interests:

Security; Privacy; Networking; Wireless Communications.

ACM Activities:

ACM WiSec Steering Committee Member, 2018 – Present;
ACM WiSec General Chair, 2018;
ACM WiSec Technical Program Committee co-Chair, 2016.

Membership and Offices in Related Organizations:

Fellow, Young Academy of Europe (YAE), 2017 – Present;
General co-Chair, European Symposium on Security and Privacy (IEEE EuroS&P), 2019;
Privacy Enhancing Technologies Symposium (PETS), Advisory Board Member, 2017 – Present.

Awards Received:

ACM Distinguished Member, 2020;
IEEE Fellow, 2020;
IRTF/ISOC Applied Networking Research Prize, 2018;
ACM WiSec Best Paper Award, 2014.

STATEMENT

I am excited to bring experience and energy to this cause. Two main goals: to increase the ACM Europe Council importance and reputation, within ACM and beyond; to best serve European computing professionals, students, researchers, and teachers through Council activities.

I plan to work on:

Consistent recurring presence of ACM conferences

- Work with ACM, SIGs and conference steering committees, to bring all top-notch conferences to European locations.
- Nurture a volunteering culture, across European chapters, research centres, universities, to host and engage in events.
- Garner European industry and municipality support.

Development of junior practitioners/researchers

- Very low student and early-career membership, event, courses/training fees.
- Scholarship/stipend/travel grant and distinction opportunities.
- Summer school program: quality Europe-based schools under the Council auspices.

Diversity, inclusion, cohesion

- Fees/costs adjusted to member incomes across European counties.
- Identification of geographical and sectoral challenges.
- Close collaboration with ACM-Women.

ACM Europe Council as a thought leader

- Work with the Young Academy of Europe and the European Academy, on policy and all matters relating to computing.
- Contribute to European computing competence building and curricula development, at all levels and across fields.
- Strive for reproducibility of research results.

Candidate for Councilor



David Peleg
Weizmann Institute of Science, Israel

BIOGRAPHY

Academic Background:

PhD, Weizmann Institute of Science, 1985, Computer Science.

Professional Experience:

Professor, Weizmann Institute of Science, Israel, 2001 – Present;

Dean, Faculty of Mathematics and Computer Science, Weizmann Institute of Science, Israel, 2010 - 2019;

Editor-in-Chief, Information and Computation, Elsevier, 2020 – Present.

Professional Interests:

Graph algorithms and approximation algorithms; distributed computing and fault tolerance; communication networks; mobile robot systems; social networks.

ACM Activities:

PC Chair, ACM PODC, 1994;

Steering Committee member, ACM PODC, 1994 – 1996;

Member, ACM Heidelberg Laureate Forum Committee, 2017 – 2019.

Membership and Offices in Related Organizations:

Council Member, European Association for Theoretical Computer Science (EATCS), 2003 – 2015;

Chair, Council of Professors, Weizmann Institute of Science, 2007 – 2008.

Awards Received:

ACM-EATCS Dijkstra Prize in Distributed Computing, 2008;
Prize for Innovation in Distributed Computing, SIROCCO, 2011;
ACM Fellow, 2017.

STATEMENT

Recently, we have witnessed certain disturbing developments, reflecting a decreasing interest of some universities in basic research in the areas of theoretical computer science and pure mathematics. I believe the ACM should voice its firm opposition to such trends and take steps towards increasing the awareness of both opinion leaders and the public in general to the significance, potential and long-term influence of fundamental research across all sciences in general, and in Computer Science and Math in particular.

Two additional goals that I will strive to promote are strengthening partnerships and collaborations between European CS researchers and their colleagues throughout the globe and encouraging increased women participation in computer science research and education.

Candidate for Councilor



Rute C. Sofia
fortiss GmbH, Germany

BIOGRAPHY

Academic Background:

PhD, University of Lisbon, 2004, Informatics.

Professional Experience:

Head of the Industrial IoT Competence Center, fortiss GmbH, Munich, 2019 – Present;
Invited Associate Professor, University Lusofona de Humanidades e Tecnologias, Lisbon, 2019 – Present;
COPELABS Scientific Director/Associate Professor, COPELABS, University Lusofona de Humanidades e Tecnologias, Lisbon, 2010 – 2019.

Professional Interests:

Networking architectures; Network protocols; Internet of Things; Wireless networks;
Edge computing.

ACM Activities:

ACM Senior Member, 2019 – Present;
ACM Member, 2015 – 2019.

Membership and Offices in Related Organizations:

Associate editor, IEEE Access, 2018 – Present;
Associate editor, IEEE Network, 2020 – Present;
N2Women Awards Co-chair, IEEE ComSoc N2Women, 2020 – Present.

STATEMENT

I am glad to have the opportunity to further assist ACM in Europe. If elected, I expect to contribute to ACM Europe via:

- The learnings acquired during my international academic and industrial research career developed across multiple countries in Europe (Germany, Portugal) and in the USA. This path gave me a technical, interdisciplinary understanding of different computer science areas. And a deeper understanding of research processes; innovation cycles; technology transfer processes, and standardisation.
- To assist the organisation/creation of more ACM European conferences, thus creating a more diverse and richer computer science ecosystem, involving academia and industry.
- To strengthen the participation of students and young researchers in ACM, via the development of coordinated actions. A much dear aspect to me is also the strengthening of the role of women in ACM activities in Europe, via actions developed together with ACM-W and related organisations, e.g., N2Women.
- To continue in expanding computer science research and educational aspects via ACM in Europe, in a way that engages young researchers and students, and that brings further education in understanding the need and role of ethics; types of venues; funding opportunities and programmes; how to get engaged in ACM volunteer opportunities.

Candidate for Councilor



Leonel Seabra Sousa
INESC-ID, IST, Universidade de Lisboa, Portugal

BIOGRAPHY

Academic Background:

PhD, Instituto Superior Técnico, Universidade de Lisboa, 1996, Parallel Image Processors with Orthogonal Access to Shared Memory.

Professional Experience:

Full Professor, Instituto Superior Técnico, Universidade de Lisboa, Portugal, 2010 – Present;
Senior Researcher, INESC-ID, Lisboa, Portugal, 1996 – Present;
Head of the ECE Department, Instituto Superior Técnico, Universidade de Lisboa, Portugal, 2017 – 2020.

Professional Interests:

High Performance Computing; Computer Architecture; Computer Arithmetic; Embedded Systems; Multimedia Systems.

ACM Activities:

ACM Distinguished Speaker, 2018 – 2020;
Member, ACM SIGARCH, 2019 – Present;
Artifact Evaluation Chair, PACT, 2018.

Membership and Offices in Related Organizations:

Steering Committee, Euro-Par Conference, 2020 – Present;
Associate Editor of Transactions on Computers, IEEE, 2018 – Present;
DISPS/Applied Signal Processing Systems Technical Committee, IEEE, 2016 – Present.

Awards Received:

IEEE/ACM IPDPS Best Paper candidate, two other best paper awards, 2020;

JSPS Fellowship for Research in Japan, 2016;

ACM Distinguished Scientist, 2015;

Fellow of the Institution of Engineering and Technology (IET), 2013.

STATEMENT

With my research background, significant organizational experience and professional service, including in ACM, IEEE and IFIP (Technical Committees, Special Interest and Working Groups), I want to put myself forward to support ACM in meeting and joining other computing and scientific organizations in Europe, to boost new activities. Over the years, I have encouraged colleagues to apply for Senior and Distinguished advanced ACM member grades and made many recommendations to this end. I believe there will be new opportunities to move forward after this pandemic, especially given the impact of the accelerated digitalization of meetings, networking and information, which we expect to continue as we return to the new normal. The new Horizon Europe research and innovation framework programme, running between 2021 and 2027 and the EuroHPC JU bring new challenges and opportunities. In the scope of the ACM Europe Council, I can offer my experience to shape European policies on computing science and engineering. Due to my experience at IST with gender balance efforts in STEM initiatives, I can also contribute to promoting diversity and inclusion of women in computer science and engineering. I am confident that my experience will help improve ACM's activity and visibility in Europe.