

Candidate for Chair

Marsha Chechik
University of Toronto, ON, Canada

BIOGRAPHY

Academic Background:

Ph.D., University of Maryland, 1996, Computer Science.

Professional Experience:

Professor and Bell University Labs Chair in Software Engineering, Department of Computer Science, University of Toronto, ON, Canada, 2022 – Present;
Acting Dean, Faculty of Information, University of Toronto, ON, Canada, 2022 – 2022;
Professor and Chair, Department of Computer Science, University of Toronto, ON, Canada, 2018 – 2022.

Professional Interest:

Software modeling and analysis, software specification and verification, requirements engineering, SE for Safe AI, software assurance and certification.

ACM Activities:

Vice Chair, SIGSOFT, 2021 – Present;
Co-Chair, ESEC/FSE'21 Program Committee, SIGSOFT, 2021 – 2021;
Co-Chair, ICSE'18 Program Committee, SIGSOFT, 2018 – 2018;
Co-Chair, ASE'14 Program Committee, SIGSOFT, 2014 – 2014.

Membership and Offices in Related Organizations:

Associate Editor-in-Chief, IEEE Transactions on Software Engineering, 2023 – Present;
Program Committee Co-Chair, FM'22, TACAS'16, FASE'09, CONCUR'08, 2008 – 2022;
Member, S3 Committee (ICSE/ASE/FSE), 2020 – Present.

Awards Received:

Amazon Research Award, 2022;
Fellow, Automated Software Engineering, 2021;
Distinguished Member, ACM, 2018.

STATEMENT

I am honored to be considered for this position. I have had significant experience with running major SIGSOFT conferences, including serving on ICSE, ESEC/FSE and ASE steering committees and being involved in a joint ICSE/ASE/ESEC-FSE committee aimed to define a joint vision of the conferences with regards to timing, location, submission deadlines and journal-first presentations. Among my duties as a current SIGSOFT Vice Chair is approving budgets and timelines of SIGSOFT-sponsored or co-sponsored conferences, and among some of the accomplishments is creating a SIGSOFT summer school program that provided financial support for many students across the world to learn advanced software engineering concepts taught by top SE researchers. My goals for this position would be to aim to increase SIGSOFT

membership as well as continue working with ACM and the major SIGSOFT conferences and journals to better understand, rationalize, and unify conference organization and publication processes (including the ACM move to enable Open Access and the establishment of the PACMSE journal), aiming to improve accessibility for and engagement of underrepresented groups, support junior researchers, and reduce reviewer workload.

Candidate for Chair

Cristian Cadar
Imperial College London, UK

BIOGRAPHY

Academic Background:

Ph.D., Stanford University, 2009, Computer Science.

Professional Experience:

Professor, Imperial College London, UK, 2019 – Present;
Reader, Imperial College London, UK, 2015 – 2019;
Senior Lecturer, Imperial College London, UK, 2013 – 2015.

Professional Interest:

Software engineering, Program analysis, Software testing, Cybersecurity,
Computer systems.

ACM Activities:

SIGSOFT EC Member-at-Large, 2021 – Present;
ICSE 2024 Area Co-chair, SIGSOFT, 2022 – 2024;
ESEC/FSE 2022 Program Co-chair, SIGSOFT, 2019 – 2022;
ISSTA 2021 General Chair, SIGSOFT, 2019 – 2021.

Membership and Offices in Related Organizations:

Senior Member, IEEE, 2021 – Present;
Fellow, British Computer Society, 2016 – Present;
Member, EuroSys, 2012 – Present.

Awards Received:

IEEE TCSE New Directions Award, 2022;
BCS Roger Needham Award, 2019;
ACM SIGOPS Hall of Fame Award, 2018;
ACM CCS Test of Time Award, 2016.

STATEMENT

I would be honoured to serve the software engineering community as SIGSOFT Chair. As a current SIGSOFT Executive Committee member, I have had the opportunity to better understand the challenges and opportunities facing our community. As part of my role, I have launched the SIGSOFT Blog (<https://sigsoft.medium.com/>) to provide a

more dynamic forum of communication, and engaged in several initiatives around awards, EDI, and publication models. Recently, I served as Area Co-chair for ICSE'24, PC Co-chair for ESEC/FSE'22, and General Chair for ISSTA'21.

Going forward, I think our biggest challenge concerns ACM's transition to an open access model which switches conference and journal publications from a pay-to-read to a pay-to-publish model. While overall a positive change, we must ensure that SIGSOFT publications transition in a manner that is sustainable for our members. If elected, this matter will receive my full attention. Other focus areas will be continuing our diversity and inclusion efforts, decoupling publication from conference participation while balancing conference budgets, and expanding our awards to promote artifacts and open science. I will encourage discussions around these and other topics of interest to the community.

Candidate for Vice Chair

Silvia Abrahão
Universitat Politecnica de Valencia, Spain

BIOGRAPHY

Academic Background:

Ph.D. Universitat Politecnica de Valencia, 2004, Computer Science.

Professional Experience:

Full Professor, Department of Computer Science, Universitat Politecnica de Valencia, Spain, 2023 – Present;
Director of the Master's Program in Software Systems Engineering and Technology, Department of Computer Science, Universitat Politecnica de Valencia, Spain, 2023 – Present;
Associate Professor, Department of Computer Science, Universitat Politecnica de Valencia, Spain, 2008 – 2023.

Professional Interest:

Software Engineering, Software Quality, Model-Driven Engineering, Human-Centric Software Engineering, Empirical Software Engineering.

ACM Activities:

Editorial Board, ACM Transactions on Software Engineering and Methodology (TOSEM), 2022 – Present;
Vice Chair and Chair, ACM/IEEE MODELS Steering Committee, 2019 – 2022;
Program Committee Co-Chair, ACM/IEEE MODELS 2020, 2019 – 2020;
General Co-Chair, ACM/IEEE MODELS 2014, 2013 – 2014.

Membership and Offices in Related Organizations:

Associate Editor & Department Co-Editor for IEEE Software, IEEE Computer Society, 2018 – Present
Member of the Editorial Board, Software and Systems Modeling, Springer, 2019 – Present;
Member of the Editorial Board, ERCIM News, European Research Consortium for Informatics and Mathematics, 2011 – 2017.

Awards Received:

MODELS 2023 Outstanding service as Educators Symposium Chair, 2023;
MODELS 2022 Outstanding service as Steering Committee Chair, 2022;
ICSE 2019 Outstanding service as Doctoral Symposium Chair, 2019.

STATEMENT

I am honored to have been asked to run for the SIGSOFT Vice-Chair position. I have been an active volunteer in organizing different ACM conferences in the area of software engineering. I have extensive experience in managing budgets for events. Specifically, I have served as General Co-Chair of ACM/IEEE MODELS 2014, PC Co-Chair of MODELS 2020 and Vice Chair & Chair of MODELS Steering Committee. I have also played other roles in the organization of other SIGSOFT conferences, such as ESEM, ASE and ICSE.

I have also been involved in some initiatives to strengthen the relationship between conferences and journals as part of my work in several journals, including ACM TOSEM, IEEE Software, ASE, SOSYM and SPE. My experience in these varied positions has prepared me well to serve ACM SIGSOFT, as Vice Chair.

If elected, I will work with the members of the Executive Committee and ACM to make SIGSOFT the leading provider of technical information and services to the world's computer scientists and professionals. I will support the smooth and successful organization of conferences but also work towards growing both the community (diversity, inclusion, and mentoring programs) and the impact of software engineering conferences.

Candidate for Vice Chair

Massimiliano Di Penta
University of Sannio, Benevento, Italy

BIOGRAPHY

Academic Background:

Ph.D., University of Sannio, Italy, 2003, Computer Engineering.

Professional Experience:

Full Professor, University of Sannio, Benevento, Italy, 2019 – Present;
Associate Professor, University of Sannio, Benevento, Italy, 2011 – 2019;
Assistant Professor, University of Sannio, Benevento, Italy, 2003 – 2011.

Professional Interest:

Software Evolution, Software Analytics, Recommender Systems for Software Engineering, DevOps, Software Engineering for Video Games.

ACM Activities:

SIGSOFT Impact paper award chair 2024, SIGSOFT, 2023 – 2024;
Program co-chair, ICSE 2023, SIGSOFT, 2019 – 2023;
Program co-chair, ESEC/FSE 2021, SIGSOFT, 2019 – 2021;
Program co-chair, ASE 2017, SIGSOFT, 2016 – 2017.

Membership and Offices in Related Organizations:

SE3 Committee Chair, SE3 (ICSE, FSE, ASE Coordination committee), 2023 – Present;
SE3 Committee Member, SE3 (ICSE, FSE, ASE Coordination committee),
2021 – Present;
ICSE Steering Committee Member, International Conference on Software Engineering,
2019 – Present.

Awards Received:

SIGSOFT Distinguished Service Award, 2024;
ESEC/FSE 2019 Distinguished Paper Award, 2019;
ESEC/FSE 2015 Distinguished Paper Award, 2015;
ICSE 2015 Distinguished Paper Award, 2015.

STATEMENT

I do not have many things to promise, as I'm not good at politics.
Nevertheless, in recent years I've witnessed (i) an increasing flow of
submissions to software engineering conferences, and (ii) program

committees that scarcely reflect authors and institutions that contribute a lot to the submission pool. Therefore, it would be great to have a database of reviewers' availability and involvement. This can be used to collect reviewing availability from prospective program committee members, and by program co-chairs to consume such availability.

For what it is possible, non-student authors submitting to any conference should automatically get a warm encouragement to sign up to repay their "reviewing debt". The proposed database could also be used to reward active reviewers by letting them be involved as organizing committee members or program co-chairs, (i.e., they see their effort is being paid off), and that prestigious levels for conferences are selected using criteria that go beyond personal knowledge. A positive side effect of this would be a better engagement of younger researchers, as well as an improvement of program and organization committees in terms of diversity.

Candidate for Vice Chair

John Grundy
Monash University, Melbourne, Australia

BIOGRAPHY

Academic Background:

DSc, University of Auckland, 2023, Computer Science.

Professional Experience:

ARC Laureate Professor, Monash University, Melbourne, Australia, 2018 – Present;
Pro Vice-Chancellor, Deakin University, Melbourne, Australia, 2016 – 2018;
Dean, Swinburne University, Melbourne, Australia, 2009 – 2016.

Professional Interest:

Automated software engineering, Human-centric software engineering, Mobile app analysis and development, Software security engineering, Software engineering education

ACM Activities:

General Chair, ICSE2023, SIGSOFT, 2023 – 2023;
General Chair, ASE2021, SIGSOFT, 2021 – 2021;
General Chair, ASE2020, SIGSOFT, 2020 – 2020;

Membership and Offices in Related Organizations:

IEEE TCSE Awards Committee, IEEE Computer Society, 2023 – 2024;
Harlan D Mills Committee, IEEE Computer Society, 2023 – 2024;
IEEE TCSE Executive Committee, IEEE Computer Society, 2018 – 2022.

Awards Received:

ACM SIGSOFT Distinguished Service Award, 2023;
CORE Distinguished Service Award, 2023;
IEEE TCSE Distinguished Educator Award, 2014;
Fellow Engineers Australia, 2012.

STATEMENT

I am honoured to be asked to run for Vice Chair of the SIGSOFT Executive Committee. I have been an ACM Member and SIGSOFT Member for many years and am a Lifetime Member. I have contributed to the organisation and running of many SIGSOFT conferences and co-sponsored events, including being General Chair of both the ICSE and ASE conferences. I am on the ICSE and ASE steering committees.

In the Vice Chair role, a key task is liaising with SIGSOFT sponsored and co-sponsored events to negotiate budgets, SIGSOFT support, compliance with policies etc. I performed a similar role when I was a member of the IEEE Technical Council on Software Engineering executive committee. Conferences face a number of pressures - face to face / hybrid / virtual formats- Ensuring sustainability, inclusiveness, fiscal responsibility, accessibility and quality are balanced and upheld is essential.

More generally, supporting our myriad of members and volunteers who are the life of the SIG is a crucial activity. Ensuring that SIGSOFT and ACM continue to meet research, education and - increasingly - industrial practice needs is more important than ever.

Candidate for Member-at-Large

Claire Le Goues
Carnegie Mellon University, Pittsburgh, PA, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Virginia, 2013, Computer Science.

Professional Experience:

Associate Department Head for Faculty (S3D), School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA, 2022 – Present;
Associate Professor, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA, 2019 – Present;
Assistant Professor, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA, 2013 – 2019.

Professional Interest:

Software Engineering, Programming Languages, Program Analysis, Automated testing, debugging, and repair, Software engineering for robotics.

ACM Activities:

Area Chair, ACM/IEEE Intl. Conference on Software Engineering, 2023 – 2023;
Newcomers Co-Chair, ACM/IEEE Intl. Conference on Software Engineering, 2022;
Steering Committee Member, ACM/IEEE Intl. Conference on Automated Software Engineering, 2020 – Present;
Program Co-Chair, ACM/IEEE Intl. Conference on Automated Software Engineering, 2020.

Membership and Offices in Related Organizations:

Associate Editor, Harvard Data Science Review, 2022 – Present;
Review Board Member, IEEE Transactions on Software Engineering (TSE), 2017 – 2020;
Senior Member, IEEE, 2015 – present.

Awards Received:

Best paper, USENIX Security, 2022;
ACM SIGSOFT Early Career Researcher Award, 2020;
ICSE Most Influential Paper (N-10), 2019;
NSF CAREER Award, 2018.

STATEMENT

I am happy to run for Member-at-Large on the SIGSOFT Executive Committee. The SIGSOFT community has been my professional home for my entire career! I have an established history of advocating for reflection on and changes to conference and reviewing practices. For example, early in my faculty career, I was heavily involved in our transition to anonymous reviewing practices.

If elected, I hope to bring that same energy to the SIGSOFT EC, especially as it continues to facilitate communication between our major conferences on review timelines/processes, and also as paper and artifact publication models shift towards more open access and sharing. Second, I really value the degree to which SE strives to be a truly global community. I will advocate for expanded programs and policies that ensure researchers from all over the planet, especially those with fewer resources locally, have increased access to conferences and other opportunities. Finally, software continues to eat the world! I think SIGSOFT should promote reviewing practices and events that encourage our community to both do and respect work that is inter- and multi-disciplinary, methodologically diverse, applied across many domains, and conducted by a wide diversity of researchers.

Candidate for Member-at-Large

David Lo
Singapore Management University, Singapore

BIOGRAPHY

Academic Background:

Ph.D., National University of Singapore, 2008, Computer Science.

Professional Experience:

OUB Chair Professor, School of Computing & Info. Sys., Singapore Management University, Singapore, 2023 – Present;

Professor, School of Computing & Info. Sys., Singapore Management University, Singapore, 2021 – Present;

Associate Professor, School of Computing & Info. Sys., Singapore Management University, Singapore, 2016 – 2020.

Professional Interest:

AI for software engineering (AI4SE), Software engineering for AI (SE4AI), Software analytics and mining software repositories, Software maintenance and evolution, Software testing, debugging, and repair.

ACM Activities:

Member-at-Large, ACM SIGSOFT Executive Committee (EC), 2021 – Present;

Program Co-Chair, ICSE, – 2025;

Program Co-Chair, FSE, – 2024;

General Chair, MSR, – 2022.

Membership and Offices in Related Organizations:

Vice Chair, ASE Steering Committee, 2021 – Present;

Associate Editor, IEEE Transactions on Software Engineering, 2020 – Present;

Associate Editor, Empirical Software Engineering, 2015 – Present.

Awards Received:

ACM Fellow, 2023;

IEEE Fellow, 2022;

SANER Most Influential Paper Award, 2022;

IEEE TCSE Distinguished Service Award, 2021.

STATEMENT

I am honored and enthusiastic to stand for re-election as a Member-at-Large.

I have served as the SIGSOFT Award Chair, a role I consider a privilege and serious responsibility, having overseen three cycles of award selection: 2022 (<https://sigsoft.medium.com/sigsoft-awards-2022-9dfb0720387b>), 2023 (<https://sigsoft.medium.com/sigsoft-awards-2023-34c6e55b5a97>), and 2024. During my tenure, the award program has evolved, emphasizing diversity and inclusivity, e.g., we expanded the committee, extended the early career award's eligibility period for parental or medical leave, and accepted dissertations in any language.

I have also co-organized many SIGSOFT conferences, including as General Chair (MSR'22, etc.) and PC Co-Chair (ICSE'25, etc.). In 2020-23, I served on 15+ organizing committees, navigating through the pandemic and transitioning conferences back to in-person formats, including organizing the unique 5-day hybrid MSR.

If re-elected, I am committed to continuing to contribute to a vibrant and inclusive future of our community, especially in (i) mentoring and empowering the next generation of SIGSOFT contributors, (ii) adapting and strengthening events to better meet the community's evolving needs, and (iii) broadening SIGSOFT's reach to underrepresented regions.

Candidate for Member-at-Large

Dietmar Pfahl
University of Tartu, Estonia

BIOGRAPHY

Academic Background:

Ph.D., University of Kaiserslautern, 2001, Software Engineering.

Professional Experience:

Professor, University of Tartu, Estonia, 2013 – Present;
Associate Professor, Lund University, Sweden, 2010 – 2012;
Researcher, Simula Research Lab, Norway, 2008 – 2009.

Professional Interest:

Software Testing, Software Analytics, Safety Testing, Software Process Improvement, Agile Software Development.

ACM Activities:

Editor-in-chief Software Engineering Notes, SIGSOFT, 2019 – 2022;
ESEC/FSE Steering Committee, SIGSOFT, 2018 – 2023.

Membership and Offices in Related Organizations:

Senior Member, IEEE, 2015 – Present.

Awards Received:

ACM SIGSOFT Distinguished Paper Award ICSSP, 2019;
ACM Recognition of Service Award, 2019.

STATEMENT

I joined the ACM in 1996 and was elevated to the level of Senior Member in 2006. During 25 years of my academic career, I served as PC member in many ACM SIGSOFT sponsored conferences, and I assumed leadership roles in the organization of ACM SIGSOFT sponsored conferences and workshops. From 2019 to 2022, I was the Editor-in-chief of the ACM SIGSOFT Software Engineering Notes. During this period, I consolidated the content acquisition processes and prepared a new generation of young researchers to get involved and take over responsibility.

ACM SIGSOFT is an active and successful community of researchers and practitioners which has demonstrated its capability to adjust to the needs of its members and the software engineering community at large. Today, new challenges lie ahead. One of them

is the growing tendency of dividing the world into blocks. To counter this and the resulting exclusion of many researchers and software engineers, we should intensify our policy of diversity and inclusiveness. I am ready to join forces and implement new processes to achieve this goal.

Candidate for Member at Large

Emerson Murphy-Hill
Google, Sunnyvale, CA, USA

BIOGRAPHY

Academic Background:

Ph.D., Portland State University, 2009, Computer Science.

Professional Experience:

Staff Research Scientist, Google, Sunnyvale, CA, 2018 – Present;
Associate Professor, NCSU, Raleigh, NC, 2015 – 2018;
Assistant Professor, NCSU, Raleigh, NC, 2010 – 2015.

Professional Interest:

Software Engineering, Computer Supported Cooperative Work, Human Computer Interaction, Programming Languages, Human Factors.

ACM Activities:

ESEC/FSE Conference Chair, 2023.

Membership and Offices in Related Organizations:

General Chair, Visual Languages and Human-Centric Computing, 2017;
Associate Editor, Empirical Software Engineering, Present.

Awards Received:

ACM SIGSOFT Distinguished Paper Award, 2019;
ACM SIGSOFT Distinguished Paper Award, 2017;
ACM SIGSOFT Distinguished Paper Award, 2014;
NSF CAREER AWARD, 2013.

STATEMENT

It's a privilege to be able to serve as a Member-at-Large for the ACM SIGSOFT Executive Committee. On the committee, I would prioritize what I see as the two most significant issues today in the community: diversity and inclusion, and sustainability.

Diversity and inclusion is critical to the long-term health of our community, yet the low representation of people from historically marginalized groups is a problem. We must ensure that all people feel welcome at our conferences and can contribute without fear of discrimination. Inclusion issues are especially

acute now, as our conferences consider how to best support remote attendees, attendees who might otherwise be unable to afford travel expenses.

Sustainability remains a significant challenge to the community in two ways. First, frequent international conference travel stands at odds with the critical goal of reducing climate emissions. Second, conference organizing is largely done by community volunteers, but the task is both time consuming and presents unfamiliar challenges, causing organizer stress and burnout.

Candidate for Member-at-Large

Jonathan Bell
Northeastern University, Boston, MA, USA

BIOGRAPHY

Academic Background:

Ph.D., Columbia University, 2016, Computer Science.

Professional Experience:

Assistant Professor, Northeastern University, Boston, MA, 2020 – Present;
Assistant Professor, George Mason University, Fairfax, VA, 2016 – 2020.

Professional Interest:

Software Engineering, Software Testing, Continuous Integration, Mining Software Repositories, Computer Science Education.

ACM Activities:

Student Mentoring Workshop Co-Chair, ICSE 2024;
Tools and Demos Co-Chair, ISSTA 2023;
Student Mentoring Workshop Co-Chair, ICSE 2022;
Virtualization Technology Co-Chair, ICSE 2020.

Membership and Offices in Related Organizations:

Undergraduate Research Award Committee, Computing Research Association (CRA-E),
2021 – Present;
Artifact Evaluation Co-Chair, PLDI, 2020;
Student Mentoring Workshop Co-Chair, SPLASH Conference, 2017 – 2020.

Awards Received:

Distinguished Reviewer Award (ESEC/FSE 2022, ICSE 2022), 2022;
Dahl-Nygaard Junior Prize, 2020;
ICPC Distinguished Paper Award, 2016;
ICSE Distinguished Paper Award, 2014.

STATEMENT

ACM SIGSOFT has been an extremely supportive community that has helped me to grow my research career. To pay it forward, I have focused many of my service commitments on developing and maintaining initiatives to welcome new students at our conferences. For example: I co-chaired the student mentoring workshop at ICSE in 2022 and 2024 (and at SPLASH in 2017, 2018, 2019 and 2020), and co-developed a community-centered virtual

conference platform (Clowdr/MidSpace) that supported ICSE through the height of the pandemic.

As a SIGSOFT Member-at-Large, I will lead a taskforce to increase the impact of community-building conference programs and elevate the efforts of their organizers. Individual mentoring workshop chairs, DEI chairs, and newcomer's chairs individually contribute great efforts to create fantastic programs. I will create a central repository with lessons learned, best practices, and suggestions for how to organize mentoring and newcomer events, with the goal of systematizing and supporting these events throughout all of SIGSOFT's conferences.

Candidate for Member-at-Large

Kelly Blincoe
University of Auckland, New Zealand

BIOGRAPHY

Academic Background:

Ph.D., Drexel University, 2014, Computer Science.

Professional Experience:

Associate Professor, University of Auckland, New Zealand, 2016 – Present.

Professional Interest:

Human Aspects of Software Engineering, Empirical Software Engineering, Equity, Diversity, and Inclusion, Collaborative Software Development.

ACM Activities:

Liaison for Diversity, Equity, and Inclusion, SIGSOFT, 2019 – Present;
CARES Co-Chair, SIGSOFT, 2022 – Present;
Program Co-Chair for ESEC/FSE 2023, SIGSOFT, 2023;
FSE Steering Committee Member, SIGSOFT, 2021 – Present.

Membership and Offices in Related Organizations:

Diversity and Inclusion Committee Member, IEEE Computer Society, 2023 – Present;
Chair, Software Innovation New Zealand, 2024 – Present.

STATEMENT

I am honored to have been asked to run for the SIGSOFT Member-at-Large position. I am an Associate Professor at the University of Auckland, New Zealand and a Rutherford Discovery Fellow. My research is mainly in the human and social aspects of software engineering. I have been a member of the extended SIGSOFT Executive Committee since 2019 in my role as Liaison for Diversity, Equity, and Inclusion. I co-founded and now co-chair the SIGSOFT Committee to Aid Reporting on discrimination, harassment, and related ethical violations (CARES). I have been involved in the organisation of many conferences. Most recently, I was Program Co-Chair of ESEC/FSE 2023. I currently serve on the Steering Committee for FSE. As a member of the SIGSOFT Executive Committee, I will continue to work to make our research community and conferences inclusive and welcoming.

