

## Candidate for Chair

Tao Xie  
University of Illinois at Urbana-Champaign, IL, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Washington at Seattle, 2005, Computer Science.

#### Professional Experience:

Professor, University of Illinois at Urbana-Champaign, IL, 2017 – Present;  
Associate Professor, University of Illinois at Urbana-Champaign, IL, 2013 – 2017;  
Assistant/Associate Professor, North Carolina State University, Raleigh, NC, 2005 – 2013.

#### Professional Interest:

Software Engineering; Software Testing; Program Analysis; Software Analytics;  
Software Security.

#### ACM Activities:

SIGSOFT History Liaison, SIGSOFT Executive Committee, 2009 – Present;  
ACM History SIG Governing Board Liaison, ACM History Committee, 2012 – Present;  
Program/General Chair, ACM Richard Tapia Celebration of Diversity in Computing (Tapia),  
2017 – 2018;  
Program (Co-)Chair, ISSTA 2015 / ICSE 2021.

#### Membership and Offices in Related Organizations:

Member, ACM U.S. Public Policy Council (USACM), 2015 – Present;  
Associate Editor, IEEE Transactions on Software Engineering (TSE), 2016 – Present;  
Associate Editor, ACM Transactions on Internet Technology (TOIT), 2015 – Present.

#### Awards Received:

IEEE Fellow, 2018;  
ACM Distinguished Scientist, 2015;  
Microsoft Research Outstanding Collaborator Award, 2016;  
ACM SIGSOFT Distinguished Paper Award, 2009.

### **STATEMENT**

It is my honor to be considered for SIGSOFT Chair. I have served as the SIGSOFT History Liaison in the SIGSOFT Executive Committee since 2009, working closely with four SIGSOFT Chairs. I served/serve as ISSTA 2015 Program Chair and ICSE 2021 Program Co-Chair.

I am also serving the broad ACM community as the ACM History SGB Liaison on the ACM History Committee and as a member of the ACM U.S. Public Policy Council (USACM). I currently serve as the Program/General Chair for the ACM Richard Tapia Celebration of Diversity in Computing (2017/2018).

These preceding leadership experiences have well prepared me to carry out the SIGSOFT Chair duties. If elected as SIGSOFT Chair, besides continuing strong SIGSOFT traditions, I would improve SIGSOFT activities by:

- (1) enhancing diversity efforts to further promote diversity in software engineering, e.g., via appointing and working with a new SIGSOFT Diversity Liaison;
- (2) expanding globalization efforts for outreaching to more global regions, e.g., via establishing more chapters/liaisons modelled after existing outreach efforts to India/China;
- (3) strengthening involvements/interactions with industry and other SIGs to promote impact on industry, society, and other computing fields, e.g., via organizing jointly sponsored events/initiatives.

## Candidate for Chair

Thomas Zimmermann  
Microsoft Research, Redmond, WA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Saarland University, Germany, 2008, Computer Science.

#### Professional Experience:

Senior Researcher, Microsoft Research, Redmond, WA, 2008 – Present;  
Affiliate Professor, University of Washington, Seattle, WA, 2011 – Present;  
Assistant Professor, University of Calgary, AB, Canada, 2007 – 2008.

#### Professional Interest:

Empirical Software Engineering; Mining Software Repositories; Data Science;  
Software Productivity; Digital Games.

#### ACM Activities:

General Chair, IEEE/ACM International Conference on Automated Software Engineering (ASE), 2019;  
General Chair, ACM International Conference on Foundations of Software Engineering (FSE), 2016;  
SEIP Chair, ICSE Software Engineering in Practice Track, 2015;  
Member, ICSE Task Force on Journal First, 2015 – Present.

#### Membership and Offices in Related Organizations:

Co-Editor-in Chief, Empirical Software Engineering, 2014 – Present;  
Program Co-Chair, Intl. Conf. on Software Maintenance and Evolution (ICSME), China, 2017;  
Steering Committee Chair, International Conference on Mining Software Repositories (MSR),  
2014 – Present.

#### Awards Received:

ICSE Most Influential Paper Award, 2014;  
MSR Most Influential Paper Award, 2017;  
ACM SIGSOFT Distinguished Paper Award at ESEC/FSE, 2015;  
ACM Distinguished Member, 2017.

### **STATEMENT**

I'm excited to run for SIGSOFT Chair. This is both an important privilege and responsibility that I will take very seriously.

If elected, my goal is to transform SIGSOFT into an open, transparent organization that continuously listens to and involves its members in important decision making. My first priority is, and always will be, the members of SIGSOFT.

I will focus on creating an inclusive, diverse, and supportive environment that helps EVERYONE involved in software engineering to achieve their goals and that allows us as a community to advance the role of software and science in society.

I will make SIGSOFT more attractive to members from industry to help increase the impact of software engineering research in practice and to encourage more industry-academia collaborations.

I will lead a dialog to modernize and reduce the overhead of publication and review processes by expanding journal first and open access programs or supporting virtual PC meetings.

With my background in conferences (general chair, program chair, finance chair, social media) and journals (Editor-in-Chief, associate editor), being SIGSOFT Chair would allow me to make these changes happen.

Learn more at <http://thomas-zimmermann.com/sigsoft2018>

## Candidate for Vice-Chair

Luciano Baresi  
Politecnico di Milano, Italy

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Politecnico di Milano, 1997, Computer Science.

#### Professional Experience:

Full Professor, Politecnico di Milano, Italy, 2015 – Present;  
Associate Professor, Politecnico di Milano, Italy, 2003 – 2015;  
Visiting Professor, University of Oregon, Eugene, OR, 2001.

#### Professional Interest:

Software engineering; Mobile and ubiquitous software systems; Software and service-oriented architecture; Proximity-aware communication frameworks; Formal verification and model transformation.

#### ACM Activities:

Member, ACM, 2015 – Present;  
Member, SIGSOFT, 2009 – Present.

#### Membership and Offices in Related Organizations:

Chair of the ESEC Steering Committee, 2015 – Present.

### **STATEMENT**

I am very happy to have the opportunity to help SIGSOFT continue its growth and I am also happy to do it with my European/Italian point of view. Our community has been evolving quite quickly and it is now considering new challenges and opportunities, like journal-first papers and open access policies. We need to continue our work and publish more and better papers, but we also need to help manage and shape the community. I would be very happy to continue the work initiated while chairing the Steering Committee of the European Software Engineering Conference, while working on new challenges, identifying new opportunities, and overseeing that all activities are carried out properly, wisely, and transparently.

Grazie --luciano

## Candidate for Vice-Chair

Elisabetta Di Nitto  
Politecnico di Milano, Italy

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Politecnico di Milano, 1996, Information Technology.

#### Professional Experience:

Full Professor, Politecnico di Milano, Italy, 2016 – Present;  
Associate Professor, Politecnico di Milano, Italy, 2003 – 2016;  
Assistant Professor, Politecnico di Milano, Italy, 1999 – 2003.

#### Professional Interest:

Software Engineering; Software Architectures; Cloud Computing; Big Data Applications;  
Self-adaptive systems and software services.

#### ACM Activities:

Member-at-Large (elected), Secretary-Treasurer (appointed), SIGSOFT, 2015 – Present.

#### Membership and Offices in Related Organizations:

Board member, Informatics Europe, 2018 – Present.

### **STATEMENT**

I have been in the SIGSOFT executive committee for the last two years as secretary-treasurer. My objective has been to work on improving the services SIGSOFT offers to its subscribers. With the other EC members, we have tried to increase the participation of all interested people to the town hall meetings held during the main SIGSOFT conferences, as a large participation allows the community to exchange ideas and raise outstanding issues. We have promoted the merge between FSE and ESEC/FSE. We are exploring the possibility of achieving a better distribution of the three main conferences (ICSE, ESEC/FSE and ASE) throughout the year. We are working towards making the management of the SEWORLD list more transparent. We have ensured that a good portion of SIGSOFT budget is used to support the activities of ACM-W and the participation of students to the SIGSOFT conferences. We are working to define a policy where the revenue from previous editions of a conference are transferred to the new edition to lower the participation fees. My objective for the new term is to continue working on the above aspects and, in general, on improving SIGSOFT services for the SE community.

## Candidate for Member-at-Large

Robert Dyer  
Bowling Green State University, Bowling Green, OH, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Iowa State University, 2013, Computer Science.

#### Professional Experience:

Assistant Professor, Bowling Green State University, Bowling Green, OH, 2014 – Present;  
Postdoctoral Researcher, Iowa State University, Ames, IA, 2014.

#### Professional Interest:

Mining Software Repositories; Big Data Applications; Static Program Analysis;  
Domain-Specific Languages; Reproducible Research.

#### ACM Activities:

Webinar Coordinator, SIGSOFT, 2015 – Present.

#### Membership and Offices in Related Organizations:

Organizing Committee, FSE 2018, 2017 – 2018;  
Organizing Committee, ICSE 2016, 2015 – 2016.

#### Awards Received:

Outstanding Early Career Award - BGSU, 2016.

### **STATEMENT**

For the past 2.5 years I've had the pleasure of coordinating SIGSOFT's webinar series. One of my main goals has always been to find ways to help connect academics and practitioners and encourage knowledge transfer in both directions. As member at large, that will remain one of my top goals. I also have a strong interest in expanding access to research, including open publications and open availability of research artifacts. I appreciate the artifact evaluations performed at conferences such as ESEC/FSE, OOPSLA, POPL, and PLDI and will encourage and support such efforts at additional conferences in software engineering.

## Candidate for Member-at-Large

Steven Fraser  
Innoxec, Santa Clara, CA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., McGill University, Montreal, Canada, 1987, Electrical Engineering (Software Engineering).

#### Professional Experience:

Advisor, Innoxec, Santa Clara, CA, 2017 – Present;  
Lead, Global University Programs, CTO Office, HP Labs, Palo Alto, CA, 2016;  
Director, Cisco Research Center, Cisco Systems, San Jose, CA, 2007 – 2013.

#### Professional Interest:

Software Engineering; Requirements Engineering; Agile Development Practices;  
Technology Transfer; Strategic Company-University Relations.

#### ACM Activities:

ACM Senior Member, 2011;  
Tutorials/Panels Co-Chair, ICSE 2009, SIGSOFT, 2008 – 2009;  
Corporate Support Chair, OOPSLA 2007, SIGPLAN, 2006 – 2007;  
Panels Chair, OOPSLA 2003, SIGPLAN, 2002 – 2003.

#### Membership and Offices in Related Organizations:

Panels Chair, XP Agile Conference (Europe), 2017 – Present;  
Member, XP Agile Conference (Europe) Steering Committee, 2012 – Present;  
General Chair, XP2006, Oulu, Finland, 2005 – 2006;

#### Awards Received:

IEEE Senior Member, 2006;  
Nortel Technology President's Award, R&D Partnerships, 1997.

### **STATEMENT**

If elected I will work to increase SIGSOFT's community visibility and to strengthen research links between industry, government, and university software practitioners.

My contributions to international conferences such as ICSE, ACM SPLASH/OOPSLA, and Agile's XP have focused on the "soft" (people) side of software engineering. I've organized over 50 conference panels and workshops to discuss and debate topical issues, including security, privacy, big data, technical debt, tools, languages, ultra-systems, design, architecture, outsourcing, education, culture, innovation, and collaboration.



Professionally, I've worked for BNR/Nortel, Qualcomm, Cisco, HP, and Innoxec to broker relationships with university researchers on six continents, to facilitate tech transfer, and to recruit early career PhD/Post-Doc talent. To create visibility for corporate best practices, I've created and chaired 20+ technology forums including BNR/Nortel's Design Forum, Qualcomm's QTech Forum, and Cisco's CTech Forum. I've also had the honor to serve as a Visiting Scientist at Carnegie Mellon University's Software Engineering Institute (SEI) researching and piloting domain engineering methods.

With my experience and international network from my professional work and involvement in conferences, I hope to make a valued contribution to the SIGSOFT community, increasing communication between people working across the boundaries of industry, government, and universities.

## Candidate for Member-at-Large

William G. J. Halfond  
University of Southern California, Los Angeles, CA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Georgia Institute of Technology, 2010, Computer Science.

#### Professional Experience:

Associate Professor, University of Southern California, Los Angeles, CA, 2016 – Present;  
Assistant Professor, University of Southern California, Los Angeles, CA, 2010 – 2016;  
Research Assistant, Georgia Institute of Technology, Atlanta, GA, 2004 – 2019.

#### Professional Interest:

Energy efficient software; Web testing; Program analysis; Mobile app verification;  
Software security.

#### ACM Activities:

Workshop Co-Chair, ECOOP/ISSTA, 2018;  
Program Co-Chair, International Conference on Mobile Software Engineering, 2017;  
Deputy General Chair, International Conference on Software Engineering, 2016;  
TOSEM Distinguished Reviewer, 2014.

#### Membership and Offices in Related Organizations:

Committee Member, Science Symposium, Society of Hispanic Professional Engineers,  
2016 – 2017.

#### Awards Received:

ISSTA Distinguished Paper Award, 2017;  
ICST Distinguished Paper Award, 2016.

### **STATEMENT**

I am running for a member at large position in order to contribute to the ACM SIGSOFT community's goal of furthering software engineering research and improving software engineering practice.

Since 2004 I have been involved with SIGSOFT via attending conferences and participating in their organizing committees. I was deputy general chair for ICSE 2016, am organizing workshops for the combined ECOOP/ISSTA 2018 conference, served as the program

co-chair for MobileSoft 2017, and have been on the program committee for ACM sponsored conferences, such as ICSE, ISSTA, and ASE.

As a member at large, my goal would be to help support the organization of SIGSOFT affiliated conferences and workshops. In particular, I would like to focus effort on supporting researchers in building communities of research through workshop support and events affiliated with major conferences. I hope that these sorts of affiliated events can become a way to broaden participation in the conferences, enhance attendees' experience and involvement at conferences, and provide bridges to other communities and industry.

## Candidate for Member-at-Large

Marija Mikic  
Google, Inc., Venice, CA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Southern California, 2004, Software Architectures.

#### Professional Experience:

Engineering Director, Google, Inc., Venice, CA, 2016 – Present;  
Engineering Manager, Google, Inc., Venice, CA, 2010 – 2016;  
Software Engineer, Google, Inc., Venice, CA, 2004 – 2010.

#### Professional Interest:

Software Engineering; Software Evolution; Software Architectures; Mobile Computing;  
Human Computation.

#### ACM Activities:

Member, ACM, 2005 – Present;  
Member, SIGSOFT, 2001 – Present.

### **STATEMENT**

I am honored to be considered to join the SIGSOFT community as a member-at-large. I strongly believe that SIGSOFT needs to play a very active role in bridging the gap between research and practice. I believe that I can bring valuable perspective to the SIGSOFT community in this regard. I have over 13 years of industry experience (Google) and I have been very involved with academia during this time. I have helped organize many SIGSOFT sponsored conferences (ICSE, FSE, ICSE, etc.) and I have been serving on the Industrial Advisory Board of the School of Engineering at USC.

I have also been very active in diversity and inclusion initiatives organized by Google (speaking at various D&I internal events, facilitating unconscious bias training, CodeGirl, thenextmacgyver.com) and within SIGSOFT sponsored events (invited speaker at women in technology, women lunches). Ensuring that our conferences are diverse and inclusive environments is a top priority for me.

## Candidate for Member-at-Large

Gregg Rothermel  
University of Nebraska-Lincoln, NE, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Clemson University, 1995, Computer Science.

#### Professional Experience:

Professor and Jensen Chair of Software Engineering, University of Nebraska - Lincoln, NE, 2004 – Present;

Associate Professor, Oregon State University, Corvallis, OR, 2001 – 2004;

Assistant Professor, Oregon State University, Corvallis, OR, 1996 – 2001.

#### Professional Interest:

Software testing; Program analysis; Empirical studies; End-user software engineering; Regression testing.

#### ACM Activities:

General co-Chair, ICSE, 2016 – Present;

General Chair, ISSTA, 2007 – 2009;

Program co-Chair, ICSE, 2005 – 2007;

Program Chair, ISSTA, 2003 – 2004.

#### Membership and Offices in Related Organizations:

Associate Editor, ACM TOSEM, 2016 – Present;

Associate Editor, IEEE TSE, 2009 – 2013;

Associate Editor-in-Chief, IEEE TSE, 2003 – 2006.

#### Awards Received:

IEEE Fellow, 2016;

ACM Distinguished Scientist, 2013.

### **STATEMENT**

I am honored to have been asked to represent the SIGSOFT community as a member-at-large. I have had significant experience with SIGSOFT-sponsored events, including General Chair for ISSTA, Program co-Chair for ICSE, Program Chair for ISSTA, and (upcoming), General co-Chair for ICSE 2020, as well as numerous program committees. I have personally benefited professionally from SIGSOFT's sponsorship of events, and I would be delighted to have a chance to help bring those benefits to others. I am particularly interested in helping promote diversity at the leadership level in SIGSOFT sponsored events, in finding ways to provide mentoring to younger faculty and researchers, and in helping promote the discipline of software engineering, particularly from the perspective of fundamental research.

## Candidate for Member-at-Large

Sebastian Uchitel  
Imperial College London, United Kingdom

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Imperial College London, 2003, Computing.

#### Professional Experience:

Reader, Imperial College London, UK, 2008 – Present;  
Associate Professor, University of Buenos Aires, Argentina, 2010 – Present;  
Principal Investigator, CONICET, Buenos Aires, Argentina, 2016 – Present.

#### Professional Interest:

Modelling and Analysis; Software Analysis.

#### ACM Activities:

Member, ICSE Steering Committee, 2007 – Present;  
General Chair, ICSE 2017;  
Program Chair, ICSE 2010;  
Program Chair, ASE 2006.

#### Awards Received:

ACM Distinguished Scientist, 2015;  
Houssay Prize, Ministry of Science, Argentina, 2013.

### **STATEMENT**

I am honored to be nominated to serve as Member at Large for SIGSOFT. I have been an active member of SIGSOFT for over 15 years, participating in conferences, committees, and meetings. I have not served on the SIGSOFT executive committee but believe I can contribute to the community as a Member at Large.

Coordinating many SIGSOFT sponsored activities, expanding their reach and impact while continuing to engage with their communities, addressing and supporting these communities' evolving concerns are key continuing challenges. If elected, I am committed to addressing them.