

## Candidate for Chair

Mauro Pezzè

Università della Svizzera italiana, Lugano, Switzerland

Università Degli Studi di Milano Bicocca, Milano, Italy

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Politecnico di Milano, 1989, Software Engineering.

#### Professional Experience:

Professor, Università della Svizzera italiana, Lugano, Switzerland, 2007 – Present;

Professor, Università Degli Studi di Milano Bicocca, Milano, Italy, 2000 – Present.

#### Professional Interest:

Software Engineering; Software Testing and Analysis; Autonomic and Self Healing Systems; Self Adaptive Service Oriented Application; Dynamic Analysis.

#### ACM Activities:

Associate Editor, ACM Transaction on Software Engineering and Methodology, 2007 – Present;

Steering Committee Member, ACM International Symposium on Software Testing and Analysis, 2006 – Present;

Chair, Ph.D. Symposium of ICSE (Int. Conf. on SE), 2000 and 2008.

#### Membership and Offices in Related Organizations:

Executive Chair, IEEE Technical Committee on Complex Computing Systems (TCCX), 2000 – 2002;

Vice Executive Chair, IEEE Technical Committee on Complex Computing Systems (TCCX), 1997 – 1999.

### **STATEMENT**

I am an active member of the ACM and IEEE Software Engineering communities since the late '80s. Software engineering plays a key role in the society and is the professional and scientific community. I have seen the area growing and maturing, and I have appreciated the significant support of ACM SIGSOFT that has been active in promoting events, stimulating interactions, and fostering professional development of software engineers. In particular, I recognize the essential effort of ACM SIGSOFT in increasing the participation of students and in stimulating the international participation of scientists to our community. I believe that our research community is now facing two antithetical challenges: Advances in science and technology open new and stimulating research topics, and at the same time

young people seem less and less attracted by software engineering. I think that ACM SIGSOFT can play a key role in the next years, by stimulating new education styles, promoting the participation of students and junior researchers to current and new research and professional initiatives, focusing the community around classic as well as new research challenges, and widening the community to include professionals from emerging countries who can greatly contribute to the growth of our discipline.

## Candidate for Chair

David S. Rosenblum  
University College London, London, UK

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Stanford University, 1988, Electrical Engineering (Computer Systems).

#### Professional Experience:

Professor of Software Systems, University College London, London, UK, 2004 – Present;  
Chief Technology Officer, PreCache Inc., Orange, CA, USA, 2001 – 2003;  
Associate Professor, University of California, Irvine, Irvine, CA, USA, 1996 – 2002.

#### Professional Interest:

Software Testing; Software Architecture; Ubiquitous Computing; Scalability;  
Publish/Subscribe Communication.

#### ACM Activities:

Vice Chair, ACM SIGSOFT, 2005 – 2009;  
Member-at-Large, ACM SIGSOFT, 2001 – 2005;  
Associate Editor, ACM Transactions on Software Engineering and Methodology,  
2005 – Present;  
General Chair, ACM SIGSOFT 2007 International Symposium on Software  
Testing & Analysis, 2007.

#### Membership and Offices in Related Organizations:

Program Co-Chair, 2004 International Conference on Software Engineering, 2004;  
Member and Chair, ICSE Steering Committee, 2001 – 2007;  
Associate Editor, IEEE Transactions on Software Engineering, 1998 – 2002.

#### Awards Received:

ACM: ICSE Most Influential Paper Award, 2002; ACM SIGSOFT Impact Paper Award,  
2008.  
Other: National Science Foundation CAREER Award, 1997; Royal Society Wolfson  
Research Merit Award, 2004; Fellow of the IET, 2005; Fellow of the IEEE, 2006.

### **STATEMENT**

Thanks to the excellent strategic and financial leadership of its current and past Chairs, SIGSOFT continues to be a critical resource to the global community of software engineering researchers, practitioners and educators. SIGSOFT sponsors the most

important international technical meetings in software engineering, and it further supports the community through publications in the ACM Digital Library, prestigious awards, student travel grants, Software Engineering Notes, and extensive Web-based information resources.

The current global economic downturn is creating enormous challenges for the community, both for the livelihoods of its members and for the ability of SIGSOFT to provide a diverse portfolio of quality services to the community. As Vice Chair of SIGSOFT, responsible for oversight of our portfolio of technical meetings, I have witnessed first-hand the increasing financial difficulties faced by both meeting organizers and attendees, and I have tried to find creative ways of addressing those difficulties.

As Chair I will work with my fellow officers to continue seeking ways of maintaining and improving our services during what promises to be a period of trying economic times. In addition, I hope to find new ways of directly addressing the needs of the practitioners in our community.

## Candidate for Vice Chair

Matthew Dwyer  
University of Nebraska-Lincoln, Lincoln, NE USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Massachusetts – Amherst, 1995, Computer Science.

#### Professional Experience:

Professor, University of Nebraska-Lincoln, Lincoln, NE, USA, 2004 – 2009;  
Associate Professor, Kansas State University, Manhattan, KS, USA, 2000 – 2004;  
Assistant Professor, Kansas State University, Manhattan, KS, USA, 1995 – 2000.

#### Professional Interest:

Program Analysis; Software Testing; Specification; Automated Formal Methods.

#### ACM Activities:

Secretary/Treasurer, SIGSOFT, 2005 – 2009.

#### Awards Received:

Distinguished Scientist, 2007.

### **STATEMENT**

Having served for the past 4 years as Secretary/Treasurer of SIGSOFT, I have seen first hand the importance of supporting the volunteers throughout the community who organize our workshops, symposia, and conferences. SIGSOFT's slate of sponsored and in-cooperation meetings is large and quite diverse. In my role as Secretary/Treasurer, I oversaw in-cooperation meetings (as well as performing financial and recording functions). As Vice Chair, I will use this experience to support and guide the organizers of SIGSOFT sponsored meetings. I believe that it is important for SIGSOFT to continue to reach out to underserved communities worldwide. A recently established relationship with India's Software Engineering Society can serve as a model for further broadening engagement with active and developing SE communities throughout Asia, Africa, and South America. I will work with the new SIGSOFT chair to continue these efforts.

## Candidate for Vice Chair

Andreas Zeller  
Saarland University, Saarbrücken, Germany

### **BIOGRAPHY**

#### Academic Background:

Ph.D., TU Braunschweig, Germany, 1997, Computer Science.

#### Professional Experience:

Software Engineering Chair, Saarland University, Saarbrücken, Germany, 2001 – Present;  
Assistant Professor, University of Passau, Passau, Germany, 1999 – 2001;  
Research Assistant, TU Braunschweig, Braunschweig, Germany, 1991 – 1999.

#### Professional Interest:

Program Analysis; Software Testing; Mining Software Archives; Debugging.

#### ACM Activities:

Executive Committee Member at Large, ACM SIGSOFT, 2006 – 2009;  
ISSTA Program Chair, ACM SIGSOFT, 2008;  
Professional Member, ACM SIGSOFT, 1993 – Present;  
PASTE Program Chair, ACM SIGSOFT/SIGPLAN, 2004.

#### Membership and Offices in Related Organizations:

Member, IEEE Computer Society, 1993 – Present.

#### Awards Received:

ACM SIGSOFT Distinguished Paper Award, 2002; ACM SIGSOFT Distinguished Paper Award, 2007; ACM Recognition of Service Award, 2004; ACM Recognition of Service Award, 2008.

### **STATEMENT**

Software Engineering remains one of the most exciting fields of human activity. So much has been achieved -- yet, big challenges remain ahead of us.

I have been a member of SIGSOFT for many years, and member-at-large of its executive committee in the past three years. As vice-chair of SIGSOFT, I will especially focus on transferring knowledge and insights between academics and industry, between old-timers and freshmen, between our community and newcomers.

The key element for this transfer of knowledge is SIGSOFT's outstanding array of high-quality conferences and workshops. As vice-chair, my task will be to foster the vibrant and exciting spirit of high-quality research, while making them even more useful for the practitioner. I will make sure to coordinate these venues, such that they stay well spread over time and locations, and to place limits on the number and specialization of events. I will also ensure that our venues stay affordable -- in particular during difficult times.

As a researcher and practitioner, I have greatly benefited from SIGSOFT in the past. Now is my time to give back. Go SIGSOFT!

## Candidate for Member at Large

Joanne M. Atlee  
University of Waterloo, Waterloo, Canada

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Maryland, 1992, Computer Science.

#### Professional Experience:

Associate Professor, University of Waterloo, Canada, 1992 – 2009.

#### Professional Interest:

Software specification and design; Static analysis; Feature interactions;  
Software-engineering education.

#### ACM Activities:

SIGSOFT representative, ACM/IEEE Joint Task Force on Computing Curricula  
(SE volume), 2002 – 2004;  
Member, ACM Education Council, 2006 – 2008.

#### Membership and Offices in Related Organizations:

Member, IEEE Computer Society, 1993 – 2009;  
Vice-Chair, IFIP WG 2.9 Software Requirements Engineering, 2005 – 2009;  
P.Eng., Professional Engineers Ontario, 2007 – 2009.

### **STATEMENT**

I would like to help SIGSOFT prosper in spite of the current economic challenges.

SIGSOFT has nurtured the development of several high-quality specialty conferences, in addition to its flagship software engineering conferences. These smaller conferences may not all be economically viable in the short term, and conference travel may become a luxury in the long term. We should explore the co-location of more conferences, and perhaps encourage the confederation of several smaller conferences (a la ETAPS).

We need to continue efforts to increase membership in SIGSOFT. In particular, we need to ensure that we sponsor publications, conferences, and services that are relevant to practitioners as well as researchers. At present, the number of SIGSOFT members does not reflect the size of the population of software-engineering researchers, practitioners, and students.

We also need to continue our mentoring activities aimed at junior faculty and underrepresented minorities, and to increase our activities aimed at students and junior practitioners.

## Candidate for Member at Large

Shing-Chi Cheung  
The Hong Kong University of Science and Technology, Hong Kong

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Imperial College London, 1994, Computing.

#### Professional Experience:

Associate Professor, The Hong Kong University of Science and Technology, Hong Kong, 2002 – 2009;

Assistant Professor, The Hong Kong University of Science and Technology, Hong Kong, 1994 – 2002;

Research Associate, Imperial College London, United Kingdom, 1989 – 1992.

#### Professional Interest:

Program Analysis; Software Testing; Software Design and Architecture; Ubiquitous Computing; Service-oriented Computing.

#### ACM Activities:

Executive Committee Member, SIGSOFT, 2008 – 2009.

#### Membership and Offices in Related Organizations:

Associate Editor, IEEE Transactions on Software Engineering, 2007 – 2009.

### **STATEMENT**

SIGSOFT has relatively few Asian members, in particular, from China. It would be nice to see more SIGSOFT events with participation by academia and software engineers from Asia. We now see rapid growth of the software industry in Asian countries. The promotion of SIGSOFT to these countries would allow SIGSOFT to create an impact on their software industry. If I am elected, I will explore along this direction, which can lead to a greater presence of SIGSOFT outside North America and Europe. I have been working seamlessly with other executive committee members in the past, and giving feedback from an Asian perspective wherever appropriate.

## Candidate for Member at Large

Laura K. Dillon  
Michigan State University, East Lansing, MI USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Massachusetts, Amherst, 1984, Computer Science.

#### Professional Experience:

Professor, Michigan State University, East Lansing, MI, 1997 – Present;  
Department Chair, Computer Science Department, Michigan State University, East Lansing, MI, 2003 – 2007;  
Professor, University of California, Santa Barbara, Santa Barbara, CA, 1985 – 1998.

#### Professional Interest:

Formal methods; Software engineering; Programming languages.

#### ACM Activities:

Associate Editor, ACM Transactions on Software Engineering and Methodology, 2004 – 2007;  
Member at large, SIGSOFT Executive Committee, 2000 – Present;  
Program chair, ACM International Symposium on Software Testing and Analysis, 2009;  
Co-chair, ACM SIGSOFT Software Engineering Educators' Symposium, 2008.

#### Membership and Offices in Related Organizations:

Program co-chair, International Conference on Software Engineering, 2003;  
Associate Editor, IEEE Transactions on Software Engineering, 1993 – 1999;  
General Chair, Michigan Celebration of Women in Computing, 2007.

#### Awards Received:

CRA-W Distinguished Professor, 2008; CIC Fellow, 2005.

### **STATEMENT**

In the past eight years on the SIGSOFT Executive Board, I focused primarily on issues of diversity and education. In addition to providing counsel on general SIGSOFT issues, I oversaw administration of the Conference Attendance Program for Students (CAPS) and helped organize career development activities for women and faculty at minority-serving institutions.

In the coming years, I will continue to work on:

- \* Increasing diversity, fostering strong international ties, and reaching out to new members.
- \* Promoting software engineering education and research within society.
- \* Maintaining the high quality of SIGSOFT publications and meetings, while making them more relevant and accessible to the membership and guarding against excessive proliferation of activities.
- \* Heightening awareness of the social implications of computing and promoting social responsibility among software engineering professionals.

## Candidate for Member at Large

Harald Gall  
University of Zurich, Zurich, Switzerland

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Technical University of Vienna, Austria, 1993, Informatics.

#### Professional Experience:

Professor, University of Zurich, Switzerland, 2004 – Present;  
Associate Professor, Technical University of Vienna, Austria, 2000 – 2004;  
Assistant Professor, Technical University of Vienna, Austria, 1994 – 2000.

#### Professional Interest:

Software engineering; Software evolution; Software architecture; Service centric computing; Collaborative software engineering.

### **STATEMENT**

I am running for a member-at-large office in ACM SIGSOFT. I have been involved in organizing international conferences in the software engineering field. There, my experience covers many aspects ranging from being program (co-)chair(s) to being chair of workshops, tutorials, doctoral symposia, or local arrangements. The conferences I have served so far include the International Conference on Software Engineering, the European Software Engineering Conference, the Foundations of Software Engineering or the International Conference on Software Maintenance.

It is my goal to further advance the awareness of ACM in the research community and contribute to conference planning as more workshops and conferences need to be fine-tuned in terms of schedule and topics. And as a community, we need to provide means for affordable attendance of students to international conferences to make our community grow. The digital library is an essential corner stone of today's university education. An important goal is to increase the visibility and usage of this rich source of research papers in the community.

## Candidate for Member at Large

Gail C. Murphy  
University of British Columbia, Vancouver, Canada

### **BIOGRAPHY**

#### Academic Background:

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

#### Professional Experience:

Professor, University of British Columbia, Vancouver, Canada, 1996 – Present;  
COO/Co-Founder, Tasktop Technologies Inc., Vancouver, Canada, 2007 – Present;  
Software Designer, MPR Teltech Ltd., Vancouver, Canada, 1987 – 1992.

#### Professional Interest:

Software Evolution; Recommendation Systems; Software Tools; Empirical Software Engineering.

#### ACM Activities:

Member, Contributing Articles (Sub-)Editorial Board, CACM, 2008 – Present;  
Member, Editorial Board, TOSEM, SIGSOFT, 2005 – Present;  
Program Committee Chair, FSE, SIGSOFT, 2008.

#### Membership and Offices in Related Organizations:

Steering Committee Chair, Aspect-oriented Software Association, 2007 – 2009;  
Member, IEEE Computer Society, 2009.

#### Awards Received:

ACM: ACM SIGSOFT Distinguished Paper (ICSE), 2006; ACM SIGSOFT Distinguished Paper (ICSE), 2005.  
Other: UW College of Engineering Early Career Diamond Award, 2008; NSERC E.W.R. Steacie Memorial Fellowship, 2006; CRA-W Anita Borg Early Career Award, 2006; AITO Dahl-Nygaard Junior Prize, 2005.

### **STATEMENT**

Software engineering is truly remarkable for the diverse set of problems it encompasses and the diverse set of techniques brought to bear on those problems. The diversity of the problem and solution space both in the research conducted and in the industrial systems built provides a great breath of opportunity. I believe this opportunity is under-recognized both within the computer science field and within broader society. We are not seeing enough people enter the field as is needed to meet demand, nor are we seeing as much diversity in the people pursuing training as we could. As a member at large, I would like to

ensure ACM SIGSOFT plays a leading role in attracting a diverse set of talented people into the field and in making our youth aware of the rewarding careers that they can pursue within the broad field of software engineering.

## Candidate for Member at Large

Bashar Nuseibeh  
The Open University, Milton Keynes, United Kingdom

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Imperial College London, 1994, Software Engineering.

#### Professional Experience:

Chair & Director of Research in Computing, The Open University, UK, 2001 – 2009;  
Reader (and, previously, Lecturer), Imperial College London, UK, 1995 – 2000;  
Research Associate, Imperial College London, UK, 1990 – 1994.

#### Professional Interest:

Software engineering of secure systems; Requirements engineering and design;  
Technology transfer.

#### ACM Activities:

Chair of the ICSE Steering Committee, ACM/IEEE/TCSE/SIGSOFT, 2007 – 2009;  
Programme Co-Chair ICSE-2005 (St Louis, USA), ACM/IEEE, 2005.

#### Membership and Offices in Related Organizations:

Vice Chair, IFIP Technical Committee 2 (Software-Theory & Practice), International Federation of Information Processing (IFIP), 2007 – 2009;  
Chair IFIP Working Group 2.9 (Requirements Engineering), International Federation of Information Processing (IFIP), 2005 – 2009;  
Chair of British Computer Society's RE Specialist Group, British Computer Society (BCS), 1994 – 2004.

#### Awards Received:

ACM: ICSE Most Influential Paper, 2003.  
Other: Philip Leverhume Prize for outstanding contribution to SE, 2002; Senior research Fellow, Royal Academy of Engineering, 2005; Automated Software Engineering Fellow, 2007; Fellow, British Computer Society, 2005.

### **STATEMENT**

I am a strong supporter of the role of the professional societies in our discipline, and in the important role of the community in supporting these societies. Special interest groups lie at the heart of such professional societies, engaging with researchers, practitioners and students - eliciting their needs, and facilitating their interaction. I have been an active

member of the software engineering community in both National and International contexts, and would like to bring my own experiences to bear on developing the international outlook and activities of ACM SIGSOFT. Through my activities in IFIP - the International Federation of Information Processing - I believe that I can bring a different international dimension to the discourse, and through my deep involvement in the "traditional" activities of SIGSOFT, such as the ICSE and FSE conferences, I hope I can make my contributions as a longstanding member of the SIGSOFT community. I would also do so as a software engineering researcher, in touch with my discipline through editorial and community activities such as Editor-in-Chief of the Automated Software Engineering Journal, and Associate Editor of IEEE Transactions on Software Engineering and the Requirements Engineering Journal.