

## Candidate for Chair

Shan Lu  
University of Chicago, IL, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Illinois at Urbana-Champaign, 2008, Computer Science.

#### Professional Experience:

Associate Professor, University of Chicago, IL, USA, 2014 – Present;  
Assistant Professor, University of Wisconsin, Madison, WI, USA, 2009 – 2014.

#### Professional Interest:

Software system reliability; Software system efficiency; Concurrent and distributed software systems; Software bug finding.

#### ACM Activities:

Vice Chair, SIGOPS, 2015 – Present;  
Program Co-Chair, SIGOPS Asia-Pacific Workshop on Systems (APSys), 2018;  
Editor-in-Chief Search Committee Chair, Transactions on Computer Systems (TOCS), 2018;  
Steering Committee members, SIGOPS HotOS, SIGARCH/SIGOPS/SIGPLAN ASPLOS, 2016 – Present.

#### Membership and Offices in Related Organizations:

Program Co-Chair, USENIX Symposium on Operating Systems Design & Implementation (OSDI), 2020;  
Program Co-Chair, USENIX Annual Technical Conference (ATC), 2015;  
Associate Editor, IEEE Computer Architecture Letters, 2016 – Present.

#### Awards Received:

USENIX OSDI Best Paper Award, 2016;  
ACM SIGSOFT Distinguished Paper Award, FSE'14 and ICSE'15;  
USENIX FAST Best Paper Award, 2013;  
ACM SIGPLAN Research Highlight Award at PLDI, 2011.

### **STATEMENT**

I am honored to have this opportunity to run for SIGOPS Chair.

SIGOPS has been my intellectual home that I deeply love. Since giving my first conference presentation at a SIGOPS conference in 2006, I have participated in many SIGOPS events, as an attendee and an organizer. Serving as a SIGOPS officer since 2013 allows me to better

understand the great work SIGOPS organizers and volunteers have been doing, and can potentially do in the future to support our systems community. Having gotten tremendous help from the community throughout the years, I would be thrilled to serve the community as SIGOPS chair.

If elected, I will continue the great work previous officers have been doing and strengthen it along several directions:

- Promoting inclusion and diversity, continuing good traditions like Diversity Workshops and exploring new initiatives;
- Strengthening interaction both inside and reaching outside of the community, among different research areas, across geographical regions, and between academia and industry, through blogs, summer schools, workshops, etc.;
- Maintaining the great tradition of SIGOPS' conferences and workshops, while keeping an eye on new ideas like artifact evaluation, rotating deadlines, collaboration with journals, etc.;
- Getting community feedback.

I am committed to doing all I can to serve SIGOPS.

## Candidate for Chair

Guillaume Pierre  
University of Rennes, France

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Université d'Evry-Val d'Essonne, France 1999, Computer Science.

#### Professional Experience:

Professor, University of Rennes 1, Rennes, France, 2012 – Present;  
Associate Professor, VU University, Amsterdam, The Netherlands, 2011 – 2012;  
Assistant Professor, VU University, Amsterdam, The Netherlands, 2004 – 2010.

#### Professional Interest:

Fog computing; Cloud computing; Large-scale distributed systems.

#### ACM Activities:

General Chair, ACM Middleware, 2018;  
Workshop Co-chair, ACM Middleware, 2016 – 2017;  
Program Committee, ACM CCGrid, 2019;  
Program Committee, ACM UCC, 2018.

#### Membership and Offices in Related Organizations:

Treasurer, EuroSys, 2007 – 2011.

### **STATEMENT**

After making use of ACM and SIGOPS' services for several years, the time has come for me to donate some of my time and energy in return. If elected, I intend to support the SIGOPS community and its activities in a number of important directions:

- Encouraging diversity in all its forms by targeting travel grants towards underrepresented groups in computing, providing childcare facilities during conferences, and fully engaging in the new policy against harassment at ACM activities;
- Supporting junior researchers by dedicating significant funding to travel grants to attend top-level conferences, organizing summer schools, and keeping student membership fees very low;
- Promoting scientific advancement by sponsoring top-level conferences, and maintaining very strong links with the EuroSys and ChinaSys chapters of SIGOPS;

- Encouraging scientific reproducibility by supporting independent software artifact evaluation in all major SIGOPS-supported conferences;
- Recognizing excellence thanks to the Dennis M. Ritchie Doctoral Dissertation Award, the Hall of Fame most influential paper award, and the Mark Weiser achievement award.

I am confident that I have the experience and skill set to work effectively on these initiatives. I sincerely hope I have your support in this venture.

## Candidate for Vice-Chair

Kaoutar El Maghraoui  
IBM T.J Watson Research Center, Yorktown Heights, NY, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Rensselaer Polytechnic Institute, 2007, Computer Science.

#### Professional Experience:

Senior Research Scientist, IBM T.J Watson Research Center, Yorktown Heights, NY, USA,  
2007 – Present.

#### Professional Interest:

Infrastructure and Systems Research for AI and ML; Cloud Computing; Operating Systems;  
Distributed Computing; Storage.

#### ACM Activities:

Treasurer, SIGOPS, 2015 – Present;  
Scholarship Committee, ACM-W, 2012 – Present.

#### Membership and Offices in Related Organizations:

Chair, Arab Women in Computing Organization, 2018 – Present;  
Vice-Chair, Arab Women in Computing Organization, 2012 – 2018.

#### Awards Received:

Exceptional Community Involvement, Systems, Anita Borg Institute, 2018;  
Top Community Award, Anita Borg Institute, 2018;  
African Women in Technology Role Model by AfCHIX, 2017.

### **STATEMENT**

I am a research scientist at IBM Research where I focus on innovations at the intersection of systems and AI. I lead the AI testbed of the [IBM Research AI Hardware Center](#), a global research hub focusing on enabling next-generation chips and systems for AI workloads. I have extensive experience in HPC, systems software, Cloud computing, and AI. I am currently treasurer of SIGOPS, chair of Arab Women in Computing and served as chair of the OS professional community at IBM Research for 5 years. Please visit my IBM page to view [my profile](#). In the next term, I hope to accomplish the following goals:

- Given the shift we are experiencing in technology due to hot trends like AI, Blockchain, and quantum, we need to create a strong link between fundamental OS research with the

latest and future trends in AI and next generation hardware like mixed precision computing, analog computing, neuromorphic and quantum. This should be reflected through our flagship conferences.

- Revitalizing publications and community by using more modern outlets like blogs and social media to highlight the latest research, hot trends, and achievements of the SIGOPS community.
- Increase women participation in SIGOPS.

## Candidate for Vice-Chair

Dan Ports  
Microsoft Research, Redmond, WA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., MIT, 2012, Computer Science.

#### Professional Experience:

Researcher, Microsoft Research, Redmond, WA, 2017 – Present;

Affiliate Assistant Professor, University of Washington, Seattle, WA, 2017 – Present;

Research Assistant Professor, University of Washington, Seattle, WA, 2015 – 2017.

#### Professional Interest:

Distributed systems; Operating systems.

#### ACM Activities:

Member, SIGOPS, 2005 – Present.

### **STATEMENT**

I've been a SIGOPS member since 2005, and a distributed systems researcher in both academic and industrial lab roles -- currently at Microsoft Research. I'm looking forward to working with the chair and other officers to continue SIGOPS's good works for the systems community.

## Candidate for Vice-Chair

Phillip Stanley-Marbell  
University of Cambridge, United Kingdom

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Carnegie Mellon University, 2007, Computer Engineering.

#### Professional Experience:

Assistant Professor, University of Cambridge, UK, 2017 – Present;  
Researcher, Massachusetts Institute of Technology, Cambridge, MA, USA, 2014 – 2017;  
Engineer, Apple, Inc., Cupertino, CA, USA, 2012 – 2014.

#### Professional Interest:

Low-Power Embedded Systems; Operating Systems; Programming Languages and Compilers.

#### ACM Activities:

Steering Committee, ACM HotOS XVII, 2019;  
Posters Chair, ACM EuroSys 2017;  
Sponsorships Chair, ACM HotOS XVI, 2017;  
Copy Editor, ACM Mobile Computing and Communications Review (MC2R), 2003 – 2004.

#### Membership and Offices in Related Organizations:

Senior Member, IEEE, 2017 – Present.

### **STATEMENT**

SIGOPS has been an invaluable inspiration and resource for me throughout my career in both industry and academia. I am excited to have the opportunity to serve as Vice Chair to support the initiatives of the SIGOPS Chair as well as the needs of the SIGOPS community as a whole. I intend to initiate new activities at the interface between the academic research community and industry, and between the systems research community and the physical and life sciences research communities across industry and academia.

Systems research benefits greatly from the interactions between academia and industry. I intend to capitalize on my experience of working in both industrial research laboratories and in commercial product development for almost a decade, to help bridge the sometimes wide conceptual gap in expectations between academic and industrial members of our community.

I see the interaction between computing systems and the physical and life sciences as one area with many untapped opportunities. I intend to seek out and actively support existing activities in



SIGOPS on increasing the interaction between computing systems research and the physical sciences and life sciences research communities and to launch new initiatives to augment those that exist if necessary.

## Candidate for Secretary-Treasurer

Brad Karp  
University College London, United Kingdom

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Harvard University, 2000, Computer Science.

#### Professional Experience:

Professor of Computer Systems and Networks (previously Reader and Senior Lecturer),  
University College London, UK, 2005 – Present;

Senior Staff Researcher (previously Staff Researcher), Intel Research, Pittsburgh, PA, USA,  
2002 – 2005;

Adjunct Assistant Professor of Computer Science, Carnegie Mellon University, Pittsburgh, PA,  
USA, 2002 – 2005.

#### Professional Interest:

Computer system security; Web browser security; Network routing; Wireless networks;  
Large-scale distributed systems.

#### ACM Activities:

Program Committee Member, SOSP conference, SIGOPS, 2015 – 2019;

Technical Steering Committee Member, SIGCOMM conference, 2016 – 2018;

Program Committee Co-Chair, HotNets workshop, SIGCOMM, 2017;

Program Committee Co-Chair, SIGCOMM conference, 2015.

#### Membership and Offices in Related Organizations:

Member, Board of Trustees, International Computer Science Institute at UC Berkeley,  
2017 – Present;

Member, IEEE Internet Award Selection Committee, 2016 – 2018.

#### Awards Received:

Distinguished Reviewer Award, IEEE S&P ("Oakland"), 2017;

Best Paper Award, USENIX ATC, 2014;

Royal Society-Wolfson Research Merit Award, 2005;

Best Student Paper Award, USENIX Summer Technical Conference, 1994.

### **STATEMENT**

As a researcher and peer reviewer working at the intersection of computer systems, networking, and security, I've long cherished the distinctive strengths of the SIGOPS community:

- the high quality of the published programs at SOSP, OSDI, and other SIGOPS venues;

- openness to embracing ideas of practical significance from adjacent fields, such as programming languages and formal verification; and
- an insightful, constructive, and rigorous reviewing culture.

This mix of the SIGOPS community's strengths is far from coincidental: they are mutually reinforcing, and together have kept systems research vibrant.

If given the chance to serve our community as SIGOPS Secretary-Treasurer, I will work with my fellow SIG officers to preserve and enhance these strengths of SIGOPS and its venues, and to represent the interests of SIGOPS' authors to ACM. My central aims will be to maintain the quality of conference programs and peer review as the community grows and the diversity of topics under the systems umbrella increases; to ensure continued public access to publications in SIGOPS conferences without charge; and to enable the broadest possible access to SIGOPS conferences through continued support for travel grants, online distribution of talks, and periodic rotation of conference sites through international locations.

## Candidate for Secretary-Treasurer

Yubin Xia  
Shanghai Jiao Tong University, Shanghai, China

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Peking University, 2010, Computer Science.

#### Professional Experience:

Associate Professor, Shanghai Jiao Tong University, Shanghai, China, 2016 – Present;  
Assistant Professor, Shanghai Jiao Tong University, Shanghai, China, 2012 – 2016;  
Post-doc, Fudan University, Shanghai, China, 2010 – 2012.

#### Professional Interest:

Operating System; System Virtualization; Architecture; System Security.

#### ACM Activities:

Local Arrangement Co-chair, SIGOPS (APSys'19), 2018 – 2019;  
PC Member, SIGOPS (OSDI'18);  
PC Member, ACM (MobiSys'18), 2017 – 2018;  
Local Arrangement Chair, SIGOPS (SOSP'17), 2016 – 2017.

#### Membership and Offices in Related Organizations:

Senior Member, CCF (China Computer Federation), 2018 – Present;  
Member, IEEE, 2010 – Present;  
Member, USENIX, 2012 – Present.

#### Awards Received:

IEEE HPCA "Best Paper Nomination" award, 2014.

### **STATEMENT**

I am running for SIGOPS Secretary-Treasurer to better serve and contribute to the SIGOPS community. I'm active in SIGOPS China and attend almost all the ChinaSys workshops and designed its logo. In 2017, I served as local arrangement chair of SOSP which was held in China for the first time. I arranged the conference venue, food, airport pickup service, etc., and made the conference proceed smoothly. Besides the logistical tasks, I also worked on creating the conference budget from the beginning, handled all the money from local sponsors, and helped the treasurer with the conference closing. This year, I am serving as local arrangement co-chair for SIGOPS APSys in Hangzhou and will use my experience to make everything go well.