

Candidate for Chair

Ninghui Li
Purdue University, West Lafayette, IN, USA

BIOGRAPHY

Academic Background:

Ph.D., New York University, 2000, Computer Science.

Professional Experience:

Professor of Computer Science, Purdue University, West Lafayette, IN, 2014 – Present;
Associate Professor of Computer Science, Purdue University, West Lafayette, IN, 2008 – 2014;
Assistant Professor of Computer Science, Purdue University, West Lafayette, IN, 2003 – 2008.

Professional Interest:

Data Privacy; User Authentication; Access Control; Usable Security and Privacy; Mobile Security.

ACM Activities:

Vice Chair, SIGSAC, 2013 – Present;
Associate Editor, ACM TOPS, SIGSAC, 2016 – Present;
Program Chair, ACM CCS, SIGSAC, 2014 – 2015;
Steering Committee Member for ACM SACMAT and ACM ASIACCS, SIGSAC, 2010 – 2016.

Membership and Offices in Related Organizations:

Program Chair, IEEE Particle Accelerator Conference (PAC), IEEE, 2017 – Present;
Associate Editor, IEEE Transactions on Dependable and Secure Computing (TDSC), 2011 – 2015;
Associate Editor, VLDB Journal, VLDB Endowment, 2007 – 2013.

Awards:

ACM CODASPY Best Paper Award, 2016;
NSF CAREER Award, 2005.

STATEMENT

It has been an honor and pleasure serving as SIGSAC's Vice-Chair since 2013. I have been benefiting from the SIGSAC community since the beginning of my academic career, and am happy to have had various opportunities to contribute to the community. The security community has grown significantly in recent years, and SIGSAC has been thriving. If elected, I want to focus on the following areas. First, I want to work closely with steering committees of SIGSAC conferences to ensure their continued success. Some possibilities that I plan to explore include pushing for more open access for SIGSAC publications, providing flexible submission schedules (e.g., more than one rounds of submissions and the possibility of revising and resubmitting to the same conference), and

taking advantage of the new ACM journal series Proceedings of the ACM on X. Second, I want to make the SIGSAC community more inclusive and create a deeper sense of community. Some actions I plan to explore include granting yearly membership to all registrants of SIGSAC conferences, creating a mechanism to share information of broad interest (such as job postings) and collaborating with ACM-W to increase the involvement of women in SIGSAC activities.

Candidate for Vice-Chair

XiaoFeng Wang
Indiana University, Bloomington, IN, USA

BIOGRAPHY

Academic Background:

Ph.D., Carnegie Mellon University, 2004, Electrical and Computer Engineering.

Professional Experience:

Professor of Computer Science, Indiana University, Bloomington, IN, 2015 – Present;
Director, Center for Security Informatics, Indiana University, Bloomington, IN, 2010 – Present;
Program Director, Security Informatics, Indiana University, Bloomington, IN, 2010.

Professional Interest:

Data-Centric Security; Mobile Security; Healthcare Privacy; Web and Cloud Security;
Software Security.

ACM Activities:

Program Co-Chair, ACM ASIACCS, SIGSAC, 2016;
Workshop Co-Chair, ACM CCS, SIGSAC, 2015;
Workshop Chair, ACM ASIACCS, SIGSAC, 2013;
Local Arrangement Chair, ACM CCS, SIGSAC, 2011.

Membership and Offices in Related Organizations:

Associate Editor, IEEE Transactions on Dependable and Secure Computing, (TDSC), IEEE,
2014 – Present;
Organizer, NIH iDASH Genome Privacy Challenge, 2014 – Present;
General Chair, Privacy Enhancing Technologies Symposium, 2013.

Awards:

Best Paper Award in Applied Cyber Security Research (CSAW), 2016;
Award for Outstanding Research in Privacy Enhancing Technologies, 2011;
Best Practical Paper Award, IEEE Symposium on S&P, 2011;
Fast-track submission to TISSEC as one of the best of ACM CCS '06, 2006.

STATEMENT

It is my great pleasure to run for SIGSAC Vice-Chair. SIGSAC plays a critical role in my career development. I still remember my first CCS paper in 2004. Now, it is the time for me to pay back, offering my service to the SIGSAC community and helping it move to the next level.

SIGSAC has long been a flagship in security research and education. Today, it faces new challenges of meeting growing demands for security technologies and competitions from other organizations. To address those challenges, I believe that we should bring in novel mechanisms to attract members, particularly those from under-represented communities. E.g., we can at least make student attendees of SIGSAC conferences members and actively collaborate with ACM-W to get women involved in security research. Further, I will encourage interdisciplinary research essential to technology development, to help foster new communities, such as, healthcare privacy, NLP in security. Most importantly, I believe that SIGSAC needs to offer robust support for both expansion of conferences and enhancement of their quality; possibly through multi-round reviews and feedback. If elected, I will work with every member to ensure that SIGSAC continues to be the leading organization in security research.

Candidate for Vice-Chair

Patrick Traynor
University of Florida, Gainesville, FL, USA

BIOGRAPHY

Academic Background:

Ph.D., Pennsylvania State University, 2008, Computer Science & Engineering.

Professional Experience:

Associate Professor, University of Florida, Gainesville, FL, 2014 – Present;

Associate Professor, Georgia Tech, Atlanta, GA, 2014;

Assistant Professor, Georgia Tech, Atlanta, GA, 2008 – 2014.

Professional Interest:

Mobile Security; Wireless Security; Network Security; Systems Security; Applied Cryptography.

Awards:

Fellow, Center for Financial Inclusion at Accion, 2016;

John and Mary Lou Dasburg Preeminence Chair in Engineering, 2016;

Sloan Foundation Research Fellow, 2014;

National Science Foundation CAREER Award, 2010.

STATEMENT

As Vice-Chair, it is my hope to expand both participation in and impact of SIGSAC. I am already helping to do this in the wireless and mobile space, as I have helped to lead the merger of the ACM CCS Workshop on Security and Privacy in Smartphones and Mobile Devices (SPSM) into SIGSAC's ACM WiSec. By both concentrating our efforts on SIGSAC's premier venues and broadening participation, I believe that we can help ensure both quality research and high impact throughout our community.

Candidate for Secretary-Treasurer

Edgar R. Weippl
SBA Research, Vienna, Austria

BIOGRAPHY

Academic Background:

Ph.D., TU Wien, 1999, Computer Science.

Professional Experience:

Research Director, SBA Research, Vienna, Austria, 2006 – Present;
Associate Professor, TU Wien, Vienna, Austria, 2004 – Present.

Professional Interest:

Security; Software Security; Blockchain; Smart Contracts.

ACM Activities:

Chapter Chair, SIGSAC Local Chapter Vienna, 2010 – Present;
Program Chair, ACM SACMAT, 2017;
General Chair, ACM CCS Conference, 2016;
General Chair, ACM SACMAT, 2015.

Awards:

ACM Certificate of Recognition for Service and Contributions to ACM SIGSAC as Chair of CCS '16 Conference on Computers and Communications Security;
ACM Certificate of Recognition for Service and Contributions to ACM SIGSAC as Chair of SACMAT '15: 20th ACM Symposium on Access Control Models and Technologies, 2015.

STATEMENT

I really enjoyed organizing SACMAT 2015 and CCS 2016 and we founded the Austrian ACM SIGSAC Chapter in Vienna.

With CCS 2016 we were able to record all conference presentations and tutorials and I strongly believe that the way that SIGSAC started in 2015 with pushing for open access to papers and having the presentation recordings freely available on Youtube, and archived in the ACM digital library, is the way to go.

Candidate for Secretary-Treasurer

Danfeng (Daphne) Yao
Virginia Tech, Blacksburg, VA, USA

BIOGRAPHY

Academic Background:

Ph.D., Brown University, 2007, Computer Science.

Professional Experience:

Associate Professor, Virginia Tech, Blacksburg, VA, 2009 – Present;
Assistant Professor, Rutgers University, Piscataway, NJ, 2008 – 2009;
Visiting Scholar, Purdue University, West Lafayette, IN, 2006 – 2007.

Professional Interest:

Program and System Anomaly Detection; Data-Driven Security; Mobile Malware Detection;
Usable Security and Privacy; Security Deployment.

ACM Activities:

Technical Program Committee Member, ACM CCS Conferences '14, '15, '16, 2014 – 2016;
Technical Program Committee Member, ACM ASIACCS Conferences '12, '13, '14, '15, '16, '17,
2012 – 2017;
Technical Program Committee Member, ACM CODASPY Conferences '13, '14, '15, '16, '17,
2013 – 2017;
Technical Program Committee Co-chair, ACM ASIACCS SCC Workshop, 2014 – 2015.

Membership and Offices in Related Organizations:

Senior Member, IEEE and ACM, 2015 – Present;
Associate Editor, IEEE Transactions on Dependable and Secure Computing, 2014 – Present;
Associate Director, Stack@CS Group at Virginia Tech, 2017 – Present.

Awards:

Virginia Tech Turner Faculty Fellow, 2016;
Virginia Tech L-3 Communications Cyber Faculty Fellow, 2014;
Army Research Office Young Investigator Award, 2014;
National Science Foundation CAREER Award, 2010.

STATEMENT

ACM SIGSAC is a successful and inclusive organization. I am extremely excited to have the opportunity to serve this large international community that makes my 15-year academic life interesting and fulfilling. Besides the duties of managing SIGSAC's finances and correspondence, the Secretary-Treasurer will be a member of the executive committee and participate in decisions

that improve SIGSAC's ability to support its members. Several challenges that I hope to help address include encouraging constructiveness in paper reviews, supporting women in security, and facilitating international exchanges. From serving on numerous PCs I found that security paper reviews tend to be overly negative and sometimes inconsistent, leaving junior researchers confused and discouraged. This is partly due to the critical nature of security and the breadth of the field. However, I believe constructive criticism fosters our scientific community without reducing its competitiveness. I am also committed to increasing women's participation in security. Diverse groups with the capacity of anticipating and working with alternative viewpoints are more innovative. The immense task of securing cyberspace demands a diverse and sustainable workforce. Through organizing workshops and exchange programs, I will help create opportunities to broaden the participation of female security professionals around the world.