

## Candidate for Chair

Kevin Butler  
University of Florida, Gainesville, FL

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Pennsylvania State University, 2010, Computer and Information Science and Engineering.

#### Professional Experience:

Associate Professor, University of Florida, Gainesville, FL, 2014 – Present;  
Assistant Professor, University of Oregon, Eugene, OR, 2010 – 2014.

#### Professional Interest:

Systems Security, Storage Security, Mobile Device and Network Security,  
Privacy-Preserving Computing, Secure Data Provenance.

#### ACM Activities:

Editorial Board Member, ACM Transactions on Privacy and Security, 2021 – Present;  
Steering Committee Member, ACM WiSec, 2019 – Present;  
Technical Program Co-Chair, ACM WiSec 2018;  
Associate Editor, ACM Digital Threats: Research and Practice, 2017 – Present.

#### Membership and Offices in Related Organizations:

Technical Program Co-Chair, USENIX Security Symposium 2022, 2021 – Present;  
Associate Editor, IEEE Transactions on Dependable and Secure Computing,  
2019 – Present;  
Steering Committee Member, Annual Computer Security Applications Conference,  
2014 – Present.

#### Awards Received:

Distinguished Poster Award, ACM CODASPY, 2019;  
Outstanding Community Service Award, IEEE TC, Security & Privacy, 2017;  
NSF CAREER Award, 2013.

### **STATEMENT**

I am honored to have served ACM and the security community at large through my involvement with the WiSec community and through editorial board memberships. I have been a beneficiary of the SIGSAC community since early in my academic career and I have welcomed opportunities to contribute. The events of the past year have

brought into stark relief the opportunities and challenges for the security community: we have seen computer scientists of diverse backgrounds come together to address the security and privacy of our most critical processes and systems, but many injustices have also been laid bare. I want to work closely with the steering committees of SIGSAC conferences and journal editorials to ensure that the community grows in a scalable way that increases engagement and representation. It is critical that diverse perspectives are reflected as befitting the global and wide-ranging nature of the community. Additionally, as conferences have taken a drastically different form this year, I want to work with the SIGSAC conferences to determine how to adapt lessons from the virtual setting as we eventually move back to in-person meetings, particularly given concerns such as the carbon footprint of travel and ensuring access for disadvantaged groups.

## Candidate for Chair

XiaoFeng Wang  
Indiana University, Bloomington, IN, USA

### **BIOGRAPHY**

#### Academic Background:

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

#### Professional Experience:

Professor, Indiana University, Bloomington, IN, USA, 2015 – Present;  
Associate Professor, Indiana University, Bloomington, IN, USA, 2010 – 2015;  
Assistant Professor, Indiana University, Bloomington, IN, USA, 2004 – 2010.

#### Professional Interest:

Confidential Computing, AI and Security, Biomedical Privacy, Systems Security.

#### ACM Activities:

Associate Editor, ACM TOPS, 2020 – 2021;  
Program Co-Chair, ACM SIGSAC CCS, 2018 – 2019;  
Steering Committee Member, ACM SIGSAC ASIACCS, 2017 – 2021;  
Vice Chair, ACM SIGSAC, 2017 – 2021.

#### Membership and Offices in Related Organizations:

Founder and Organizer, iDASH Genome Privacy Competition, 2014 – 2021;  
Associate Editor, IEEE TDSC, 2014 – 2021;  
Member, PoPETS/PETS Advisory Board, 2013 – 2021;

#### Awards Received:

Distinguished Paper Awards, the 26th NDSS, 2019;  
Fellow, IEEE, 2019;  
James H. Rudy Professor, Indiana University, 2017;  
Award for Outstanding Research in Privacy Enhancing Technologies, 2011.

### **STATEMENT**

It is an honor and pleasure to run for SIGSAC Chair. In the past 3 years, I have had the honor of serving as SIGSAC Vice-Chair, CCS PC Co-Chair and AsiaCCS SC member, overseeing the transitions of SIGSAC conferences to a multicycle model and their move to the online events during the pandemic, and also supporting diversity in the community.

If elected, I will work closely with the Executive Committee to ensure the continued success of SIGSAC during the pandemic and post-pandemic difficulties. Particularly, I will help SIGSAC conferences and TOPS editorial board to continuously adjust their review models and organization, to improve publication quality while maintaining their trends of growth under the impacts of the pandemic. I will continue to push for open-access and make the community more inclusive through supporting women-in-security and other outreaches to underrepresented groups, free or low-cost student membership and SIGSAC chapters around the world. I will strengthen the connections with industry and foster new sub-communities. Also, in consulting with the community, I will initiate new services (e.g., job postings) and mechanisms to celebrate excellence (e.g., impact paper award like that provided by SIGSOFT).

## Candidate for Chair

Gene (Homer) Tsudik  
UC Irvine, CA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Southern California, 1991, CS.

Professional Experience: Distinguished Professor, UC Irvine, CA, USA, 2019 – Present;  
Chancellor's Professor, UC Irvine, CA, USA, 2012 – 2019;  
Professor, UC Irvine, CA, USA, 2003 – 2012.

#### Professional Interest:

Computer and Network Security + Privacy, Applied Cryptography, Crypto-Poetry.

#### ACM Activities:

ACM TISSEC EiC, SIGSAC, 2009 – 2015;  
ACM CCS Program Chair, SIGSAC, 1999;  
ACM WISEC Steering Committee Chair, SIGSAC, 2011 – 2015;  
ACM CCS Steering Group Member, SIGSAC, 2007 – 2011.

#### Membership and Offices in Related Organizations:

NDSS Steering Group Member, Internet Society, 1999 – 2003;  
NDSS Program Co-Chair, Internet Society, 1999 – 2000;  
Fellow, ACM, IEEE, IFIP, AAAS, 2013 – Present.

#### Awards Received:

IFIP WG10.4 Jean-Claude Laprie Award in Dependable Computing, 2020;  
ACM SIGSAC Outstanding Contributions Award, 2017;  
Foreign Member, Academia Europaea, 2015;  
DARPA Program Award for Excellence in Academic Research, 2002.

### **STATEMENT**

I've been part of the SIGSAC ecosystem since the dawn of civilization (early 90s) and served in various roles (see above). My goal is to increase the stature, reputation, and visibility of SIGSAC within and outside of ACM. Concrete issues I plan to tackle (ideally, with broad consensus) include:

- Periodically review all SIGSAC-sponsored venues for quality and dynamicity in terms of leadership, including fluidity of chairs and steering committees; avoid build-up of cozy cliques and group-think mentality.
- Inclusion/Diversity/Fairness:
  - Identify numerous (beyond obvious) aspects/facets thereof.
  - Carefully assess how SIGSAC fares in each.
  - Which should be reflected in SIGSAC activities, and how?
  - Promote geographical diversity.
  - Foster participation of undergrads and high-schoolers.
- Governance: Form an SIGSAC Executive Committee that reflects membership diversity.
- Most security research falls into three categories:
  1. Destructive-Attacks/Hacks/Exploits,
  2. Constructive-Security/Privacy Mechanisms
  3. Empirical-Studies/Measurements/etc. SIGSAC venues mix submission/reviewing such that all compete against each other. These categories can be evaluated separately, using distinct criteria. Orthogonally, SIGSAC venues mustn't be an outlet for 2nd-rate pure-crypto results.
- Increase currently shrinking SIGSAC membership, perhaps by incorporating membership into conference registration.
- (Post-Covid) Reduce sky-high conference fees.
- Recognition:
  - New yearly awards types, e.g., "rising star".
  - Better naming for current awards.
- Work with IEEE, IACR and ISOC to increase visibility.

## Candidate for Vice-Chair

Michelle Mazurek  
University of Maryland, College Park, MD, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Carnegie Mellon University, 2014, Electrical and Computer Engineering.

#### Professional Experience:

Associate Professor, University of Maryland, College Park, MD, USA, 2020 – Present;  
Assistant Professor, University of Maryland, College Park, MD, USA, 2014 – 2020.

#### Professional Interest:

Human-centered security and privacy, Software security, Social and policy issues in security and privacy.

#### ACM Activities:

Associate Editor, ACM TOPS, 2019 – Present;  
External reviewer, ACM CHI, 2013 – 2021;  
Program committee member, ACM CCS, 2017 – 2018.

#### Membership and Offices in Related Organizations:

Program committee co-chair, advisory board member, PETS/PoPETS, 2022 – 2023;  
Program committee co-chair, steering committee member, USENIX SOUPS, 2019 – 2020;  
Organizing committee member, IEEE S&P, 2017 – 2020.

#### Awards Received:

USENIX Security Distinguished Paper Award (two papers), 2020;  
NSF Career Award, 2020;  
IEEE Cybersecurity Award for Practice, 2018;  
NSA Best Scientific Cybersecurity Paper, 2016.

### **STATEMENT**

I am honored to have been asked to run for Vice Chair of SIGSAC. I have contributed to the security and privacy research community in a variety of roles for the past six years, including serving on PCs for CCS, USENIX Security, IEEE S&P and NDSS; on steering and organizing committees for SOUPS, PETS/POPETS, and IEEE S&P; as an associate editor for TOPS. These positions have provided me with valuable insight into how we as security and privacy researchers, collectively build our community and publish our work.

If elected, I intend to support the Chair and conference organizers in addressing two key priorities: scaling our publication processes without losing rigor and cohesiveness; and promoting equity and inclusion to ensure SIGSAC is a welcoming and valuable community for everyone. Neither of these challenges can be solved quickly or easily, but I will treat them as critical priorities and support SIGSAC conference organizers in experimenting with new processes and improvements to make progress on these goals.



## Candidate for Vice-Chair

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

### **BIOGRAPHY**

#### Academic Background:

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

#### Professional Experience:

Professor of Computer Science, Virginia Tech, Blacksburg, VA, 2019 – Present;  
Associate Professor of Computer Science, Virginia Tech, Blacksburg, VA, 2014 – 2019;  
Visiting Scholar, University of California, San Diego, San Diego, CA, 2016.

#### Professional Interest:

Vulnerability screening with specialized program analysis, Usable enterprise data loss detection and prevention, High-precision system and program anomaly detection, Quantitative defense-in-depth solutions for organizations, Security measurement and benchmarking.

#### ACM Activities:

Secretary/Treasurer, ACM SIGSAC, 2017 – Present;  
Founder and Program Chair, ACM SIGSAC iMentor Workshop Series, 2020 – Present;  
Chair, ACM SIGSAC Committee for the Best Dissertation Awards, 2019;  
ACM Distinguished Scientist, 2018.

#### Membership and Offices in Related Organizations:

Steering Committee Chair, IEEE Secure Development Conference (SecDev), 2019 – Present;  
Lead Program Chair, Annual Computer Security Applications Conference (ACSAC), 2019;  
Lead Program Chair, IEEE Secure Development Conference (SecDev), 2018.

#### Awards Received:

IEEE Excellence in Service Award by Computer Society S&P TC, 2018;  
Elizabeth and James E. Turner Jr. '56 Faculty Fellowship from VT, 2016;  
US National Science Foundation CAREER Award, 2010.

### **STATEMENT**

I have a deep passion for serving our international SIGSAC community. I hope to have the distinct honor of contributing to this outstanding group.

Inclusive excellence - encouraging, engaging, and showcasing researchers that are underrepresented in terms of gender, race, age, experience, geographic location, as well as research interests - has been my focus in the past four years of serving as the SIGSAC Secretary/Treasurer. Besides founding multiple diversity workshop initiatives (iMentor and CyberW) and requiring a Code of Conduct in SIGSAC sponsored conferences, I also helped recognize work that addresses practical cybersecurity, privacy, and cryptography challenges (e.g., ACM DTRAP special issues for research with artifacts). Embracing a broader definition of novelty would enable SIGSAC to more effectively contribute to society.

If elected, I also plan to establish a mechanism for SIGSAC publications to appear in the Research Highlights of Communications of the ACM. It will propel SIGSAC members to be visible in the broader ACM computing community -- and more importantly -- to widely disseminate our expertise and advance this field.

Fostering supportive and caring community atmospheres will continue to be my goal. To that end, I also plan to organize experience-sharing seminars for tech professionals on research journeys and mental health.

## Candidate for Secretary-Treasurer

Ben Stock

CISPA Helmholtz Center for Information Security, Saarbrücken, Germany

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Erlangen-Nuremberg, 2015, Computer Science.

#### Professional Experience:

Faculty, CISPA Helmholtz Center for Information Security, Saarbrücken, Germany, 2018 – Present;

Research Group Leader, Saarland University, Saarbrücken, Germany, 2017 – 2018;

Postdoctoral Researcher, Saarland University, Saarbrücken, Germany, 2015 – 2017.

#### Professional Interest:

Web Security, Usable Security, Network Security, Malware Analysis.

#### Membership and Offices in Related Organizations:

Publications Chairs EuroS&P, IEEE, 2016 – 2020;

Local Organization Committee EuroS&P, IEEE, 2016.

### **STATEMENT**

I have been a member of the security community since 2013, with one of my first conferences being CCS in Berlin. The diversity of interesting topics was fascinating to a young Ph.D. student. Since then, I have been a regular author at CCS and AsiaCCS and have served on the PC for CCS since 2018. I have seen the community grow. SIGSAC's CCS has become the biggest venue of our field. This raises significant challenges for the community to further grow and remain positive in our assessment of submissions. Next to managing the SIGSAC finances, the Secretary/Treasurer is part of the SIGSAC Executive Committee. In this role, I hope to provide constructive suggestions to tackle the growth of the community, influence the positivity of the reviewing process, and help expand SIGSAC's diversity in terms of authors, attendees, and reviewers, as well as locations for its conferences. As the current pandemic has shown, our future likely lies in the realm of hybrid online/offline events. As part of the Executive Committee, I want to help shape this future, providing my experience from conference organisation, sustaining SIGSAC and its venues at their world-class level.

## Candidate for Secretary-Treasurer

Christina Poepper  
New York University Abu Dhabi, UAE

### **BIOGRAPHY**

#### Academic Background:

Ph.D., ETH Zurich, 2011, Computer Science and Security.

#### Professional Experience:

Assistant Professor, New York University Abu Dhabi, UAE, 2016 – Present;

Assistant Professor, Ruhr University Bochum, Germany, 2013 – 2015;

Postdoctoral Researcher, ETH Zurich, Switzerland, 2012 – 2013.

#### Areas of Professional Interest:

Cyber Security, Mobile Network Security, Communication Security, Secure Positioning, Privacy.

#### ACM Activities:

Steering Committee Member, ACM WiSec, 2018 – 2023;

TPC Co-Chair, ACM WiSec, 2018;

Registration Chair, ACM ASIACCS, 2017;

TPC Member, ACM CCS, 2014 – 2016.

#### Membership and Offices in Related Organizations:

Senior Member, IEEE, 2018 – Present;

TPC Member, IEEE S&P, 2018 – Present;

TPC Member, USENIX Security, 2016 – Present.

#### Awards Received:

NDSS Distinguished Paper Award Honorable Mention, 2019;

ACM CODASPY Best Poster Award (as supervisor), 2018;

ACM CODASPY Outstanding Paper Award, 2016.

### **STATEMENT**

I am honored to have been nominated for the ACM SIGSAC Secretary-Treasurer role and it is with great pleasure that I run for the election. I have been a member of ACM since 2013 and an active researcher in cyber security and privacy for more than a decade.

I have been serving as a committee member on conferences of the ACM (CCS, WiSec, ASIACCS) and related organizations (IEEE S&P, USENIX Security, ISOC NDSS), and as a steering committee member of ACM WiSec since 2018, and I have also served as registration chair for ACM ASIACCS in 2017. If elected as Secretary-Treasurer, I will work closely with the ACM SIGSAC Chair and Vice-Chair as well as every active group member to further strengthen ACM SIGSAC's value to its members and the broader security community. In the role of Secretary-Treasurer, I would focus on ensuring solid financial foundations for SIGSAC's activities, maintaining clear records and correspondence, as well as work with all SIGSAC officers towards serving, growing, and strengthening the community.