

Message from the General Chair

On behalf of the organizing committee and IEEE Computer Society's Technical Committee (TC) on Security & Privacy, it is my honor and privilege to welcome you to the 42nd Symposium on Security & Privacy (S&P). This year marks the second time we hold the IEEE Symposium on Security and Privacy virtually, and we hope to maintain and even improve the online experience for all attendees. In addition to the Symposium, we are also holding the Security and Privacy Workshops (SPW) on Thursday, May 27. I am very grateful to Gabriela Ciocarlie, the 2020 General Chair, who managed the first transition of the event to an online experience (in record time) last year and thus created a solid foundation for the event this year. She was always ready to hear my concerns and provide advice.

Like my General Chair predecessors, I would like to assure our longtime and new participants that the S&P team remains fully committed to the Symposium's roots and traditions that have made it an outstanding venue to learn and improve as individuals and as a community. The past few years have shown the growing importance of computer security and privacy in all aspects of our lives, from the integrity of our elections, online disinformation, and the vulnerability of critical infrastructure (such as gas pipelines) to computer-based attacks. We have also witnessed a maturing research community taking more responsibility for diversity, equity, and inclusion in all aspects of academia and the importance of ethics in computer science research. Therefore, our Symposium is also changing to reflect the values of our community better. These changes are reflected in some subtle and other not-so-subtle changes in our activities.

This year we have new events. The first is a new panel titled "Ethics in Security and Privacy Research." In consultation with the Steering Committee and the PC Chairs, we created this panel because of the discussion generated by the paper "On the Feasibility of Stealthily Introducing Vulnerabilities in Open-Source Software via Hypocrite Commits." Our invited panelists have a wealth of experience and expertise in the ethics of security research. We hope the lessons learned will help our community grow and improve the processes for conducting and evaluating ethical research.

This year we also have our first "Virtual Socials." Working together with our inaugural Diversity, Equity, and Inclusion (DEI) chair: Z. Morley Mao, our goal is to help expand an active and diverse community in computer security research. We hope these events can help students and other attendees expand their networks and create communities around shared interests.

Finally, we are introducing this year the Trojan video awards with the help of our video chair Rui Zhang and students who volunteered to review the paper preview videos submitted to the Symposium for all accepted papers. The quality of video previews has been outstanding, and we think it is time to recognize the work of the creators of these videos. We believe that our role in academia is not only to generate new discoveries but also to communicate our work to a broader audience effectively. Therefore, we hope to incentivize future videos by focusing on informative videos that effectively share research results with general audiences.

We are also keeping all our traditional events, including accepted paper talks, student mentoring, best paper and ToT awards, short talks, posters, and the business meeting. Taking advantage of

the online format, we worked to host our posters in Gather. On this interactive online platform, participants have avatars they can move in a virtual world to explore each poster. We have three poster sessions, two after the main conference program and one before the main conference program. We hope that these different times can help our international community participate in the Symposium. We also have two separate times for short talks to accommodate a global audience, and we plan to have them live to change the format from prerecorded videos.

Donation support is an essential financial element of S&P, enabling the Symposium to run as intended, reduce registration prices, and allow more student participation with registration grants. We continue to leverage paid, professional support when it made good sense to reduce unnecessary burdens on our volunteer organizing committee (OC). We are very grateful to all organizations that provided generous contributions, especially considering that they donate for a virtual event where donors' interactions with participants are limited. As of this writing, our Platinum supporters are Intel (which will be announcing a hardware security award) and the National Science Foundation. Our Gold supporter is IBM Research. Our Silver supporters include Apple, ByteDance, CERT at CMU, Facebook, Google, Microsoft, NortonLifeLock, PaloAlto Networks, and VMWare. Our Bronze supporters include the MIT Lincoln Laboratory, Qualcomm, and the Technology Innovation Institute. Finally, we are expanding our in-kind support with the IEEE Security & Privacy Magazine, and we also have a new in-kind agreement with the Women in Cybersecurity Conference.

As the technical program is the core of the Symposium, I would like to express my gratitude to our program co-chairs Alina Oprea and Thorsten Holz. They have selected and guided an expert Program Committee, run the paper selection process, and worked closely with the Organizing Committee in a, particularly trying year.

I am honored to work with so many incredibly talented and hardworking individuals in the Organizing Committee. They have all dedicated many hours of their time to put together this event:

- Rakesh Bobba, Vice General Chair and Registration Chair, continued to play an essential role in the Symposium, helping me with various vital decisions and also helping the donations chair and the treasurer, given his prior experience in these roles.
- Daniel Takabi, our Treasurer, served in a very demanding role and continued to support the OC, managing the budget with the additional uncertainties of running a virtual conference.
- Briland Hitaj, Donations Chair, served with outstanding dedication to the generosity of our donors, who were very supportive in this new format. His commitment helped us provide low registration prices.
- Rui Zhang, Video Chair, had her responsibilities grow exponentially due to the virtual format. She handled all video previews, recorded talks, consent forms and chaired the Trojan video awards with several student volunteers. Her timely responses were instrumental to the production of the event.
- Luis Eduardo Salazar, Web Chair, continued to perform an excellent job as our webmaster for both the Symposium and workshops. He also helped S&P 2022 get started with its online presence.

- Alisa Friik, Workshops Chair, coordinated the selection and the structures of an excellent set of workshops that span a broad range of topics. She worked closely with the OC to achieve the tight deadlines and the new format of the conference.
- Z. Morley Mao, our first Diversity, Equity, and Inclusion Chair, had the role of creating the responsibilities of this new position and helped us develop virtual socials and manage the mentoring events. This new position in the OC shows renewed commitment by the Symposium to an equitable event, including our new partnership with WiCyS and a diverse OC composition.
- Yao Liu, Student Travel Grants Chair, managed the student registration grants. Her efforts will allow many students to attend and interact in the digital Symposium and workshops.
- Thomas Moyer, Publications Chair, reliably coordinated with the IEEE Conference Publishing Services (CPS) to obtain quotes and publication agreements for the Symposium and the workshops. He also coordinated with the PC Chairs to meet all the deadlines.
- Scott Ruoti, Publicity Chair, continues this role with effort and dedication, coordinating all our social media presence and media relations, publicizing all newsworthy events from the Symposium. Effective communication by the Symposium was essential this year, and Scott stood up to the new challenges.
- Nathalie Baracaldo, Posters Chair, is helping us organize a highly engaging and interactive poster session for the virtual setting, providing an excellent opportunity for students to explain their work to their peers and senior colleagues.
- Arkady Yerukhimovich, Short Talks Chair, ensures that we have a lively set of short talks and offered his ongoing support to make them engaging in a virtual setting.
- Tegan Brennan, Awards Chair, was essential in keeping track of various efforts by the PC Chairs in selecting best paper awards, the ToT committee in choosing the Test of Time Awards, Workshop Chairs in selecting the best papers of the workshop, and the new Trojan awards.
- Reza Shokri and Yuan Tian, Student PC Chairs, helped organize and mentor students participating in a shadow PC.
- Somesh Jha, Lorrie Cranor, Patrick McDaniel, and Andrew Myers served as the test-of-time awards committee and selected an excellent set of papers from previous events.
- Gigi Roberts, Regan Robertson, Brittany Joseph, Kate Todd, and Cara Candler from ExecutiveEvents continued to provide professional help by handling all aspects of the registration processes and producing a virtual event.

I want to thank the Technical Committee (TC) on Security and Privacy, especially Chair Ulfar Erlingsson, former Chair Sean Peisert, Vice-Chair Bryan Parno, and Treasurer Yong Guan, for their long-term support, both financial and in communications with the IEEE and IEEE Computer Society.

I am incredibly grateful to Paula Anderson, Silvia Ceballos, Dawid Kedzierski, and the staff at IEEE, the IEEE Computer Society, and the IEEE Computer Society's Conference Publishing Services represented by Patrick Kellenberger for all their support with the planning and production of the Symposium and its proceedings. They were incredibly supportive given all the uncertainty regarding the pandemic, the budget, and whether we would hold the event in a hybrid model. Paula Anderson was instrumental in helping us navigate our existing contracts and adapt them for an online format. She was also essential in helping us with our first international contracts. Our

primary online platform (Hopin) is a London-based start-up, and different global requirements complicated the legal expectations from both sides.

S&P 2021 will be a busy event with three parallel tracks of accepted papers, workshops, networking events, posters, socials, various awards, and panels. I sincerely hope that the attendees will enjoy all activities and the opportunities to learn and expand their connections. I hope to see all of you in a physical or hybrid event in 2022!

General Chair

Alvaro A. Cardenas

University of California, Santa Cruz