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# WiSec'20

**Proceedings of the 13th ACM Conference on**

## Security and Privacy in Wireless and Mobile Networks

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## Message from the Chairs

We are very pleased to welcome you to the 13th ACM Conference on Security and Privacy in Wireless and Mobile Networks. This year's WiSec marks the first virtual WiSec conference and we are both excited to try out this conference format and regretful to not be able to welcome you in the beautiful city of Linz, Austria, due to the ongoing SARS-CoV-2 pandemic. ACM WiSec 2020 continues to be the premier venue for research dedicated to all aspects of security and privacy in wireless and mobile networks, their systems, and their applications. The program will be presented online in a single track, along with a poster and demonstration session. WiSec 2020 will be open at no extra cost to everyone and we are trying out new formats such as a mixture of live streams, pre-recorded talks, and interactive Q/A sessions.

The technical program this year features 30 outstanding papers: 27 full and 3 short papers, that cover a wide variety of security and privacy problems relating to wireless networking, mobile networks, wearables, user interactions, cyber physical systems, vehicles and transportation, jamming, smart devices, and emerging applications. We continue with the replicability label and have some 7 papers that successfully applied and made all artefacts available that are required to reproduce the work.

Our call for papers attracted 104 qualified submissions from across the globe, which demonstrates the continuous growth of this topic area. These were carefully reviewed by 57 technical program committee (TPC) members from academia, industrial research labs, and federal organizations, along with a selected group of external experts. The TPC was formed with the goal of covering diverse research expertise as well as diverse perspectives and approaches.

The paper review process was double-blind, and the vast majority (85) of the papers received four or more reviews. The review period was accompanied by thorough online discussions. Despite the ongoing SARS-CoV-2 pandemic we managed to stick to our original timeline with tight time constraints on the review process, arriving at decisions some six weeks after the paper submission deadline. This is among the fastest turnaround times for any conference or journal; receiving high quality peer reviews in a short time frame is a great asset for authors, but it means considerable effort for the program committee, which deserves an extra thank you to our dedicated TPC members.

WiSec's exciting technical program is enriched by two keynote talks delivered by distinguished leaders in the field of wireless and mobile security and privacy: Prof. Panos Papadimitratos from

the KTH Royal Institute of Technology in Stockholm and Richard Grisenthwaite, Chief Architect & Fellow at Arm Limited. Warm thanks to both keynote speakers for joining us.

With moving virtual, this year, the WiSec Posters & Demos session gets an upgrade. It will feature three parallel sessions of three/four slots each. Authors will prepare a short video to be shown at the beginning of their slot. The accepted eleven posters/demos provide early results and exciting practical prototypes.

Putting together WiSec 2020 was a team effort. We express our sincere gratitude to many for their hard work and contributions. First, we thank all the authors who submitted their great research to the conference. We are truly grateful to all the TPC members and reviewers – their dedication and enthusiasm in the short-time review process were instrumental in constructing the strong technical program; some of them deserve additional thanks for accepting to act as session chairs. We also thank the entire WiSec 2020 organizing team, especially the Publication Co-Chairs Max Maass and Yao Zheng, the Poster/Demo Co-Chairs Merve Sahin and Mathy Vanhoef, the Replicability Committee and its Co-Chairs Aanjhan Ranganathan and Yao Zheng, the Web Chair Daniel Hofer, the Publicity Co-Chairs Kai Jansen and Feng Lin and all the volunteers of the local (now virtual) arrangements team for their tremendous support and behind-the-scenes effort. Finally, we extend our thanks and appreciation to the WiSec Steering Committee and past WiSec chairs for their guidance and wisdom.

Finally, many thanks go to Johannes Kepler University Linz and to the ACM, SIGSAC, and NSF for their continuing sponsorship and support, notably for student travel grants which would be extended to next year's conference. Again, welcome to WiSec 2020, the first online WiSec which brings leading researchers together to promote the exchange of thoughts and ideas on the latest advances in the area of security and privacy in wireless and mobile networks.

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