WiSec’20

Proceedings of the 13th ACM Conference on
Security and Privacy in Wireless and Mobile Networks

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Johannes Kepler University Linz, Institute of Networks and Security
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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Contents

KRATOS: Multi-User Multi-Device-Aware Access Control System for the Smart Home ............... 1
Amit Kumar Sikder, Leonardo Babun (Florida International University); Z. Berkay Celik (Purdue University); Abbas Acar, Hidayet Aksu (Florida International University); Patrick McDaniel (Penn State University); Engin Kirda (Northeastern University); Selcuk Uluagac (Florida International University)

Hacksaw: Biometric-Free Non-Stop Web Authentication in an Emerging World of Wearables .... 13
Prakash Shrestha, Nitesh Saxena (University of Alabama at Birmingham)

ivPair: Context-Based Fast Intra-Vehicle Device Pairing for Secure Wireless Connectivity ....... 25
Kyuin Lee (University of Wisconsin-Madison); Neil Klingensmith (Loyola University Chicago); Dong He, Suman Banerjee, Younghyun Kim (University of Wisconsin-Madison)

Acoustic Integrity Codes: Secure Device Pairing Using Short-Range Acoustic Communication .... 31
Florentin Putz, Flor Álvarez, Jiska Classen (TU Darmstadt, Germany)

GNSS Spoofing Detection via Opportunistic IRIIDIUM Signals ........................................ 42
Gabriele Oligeri (Hamad Bin Khalifa University - College of Science and Engineering - Division of Information and Computing Technology); Savio Sciancalepore (Hamad Bin Khalifa University - College of Science and Engineering); Roberto Di Pietro (Hamad Bin Khalifa University (HBKU) - College of Science and Engineering (CSE))

MAVPro: ADS-B Message Verification for Aviation Security with Minimal Numbers of On-Ground Sensors ................................................................. 53
Ala’ Darabseh, Hoda AlKhzaimi, Christina Pöpper (New York University Abu Dhabi)

SVM: Secure Vehicle Motion Verification with a Single Wireless Receiver ............................ 65
Mingshun Sun, Yanmao Man, Ming Li (The University of Arizona); Ryan Gerdes (Virginia Tech)

Zigator: Analyzing the Security of Zigbee-Enabled Smart Homes ........................................ 77
Dimitrios-Georgios Akestoridis, Madhumitha Harishankar, Michael Weber (Carnegie Mellon University); Patrick Tague (CMU)

Truncate after Preamble: PHY-based Starvation Attacks on IoT Networks ............................. 89
Stefan Gvozdenovic, Johannes K. Becker, John Mikulskis, David Starobinski (Boston University)

Countering Cross-technology Jamming Attack ................................................................. 99
Zicheng Chi, Yan Li, Xin Liu, Wei Wang, Yao Yao, Ting Zhu (University of Maryland Baltimore County); Yanchao Zhang (Arizona State University)

MagicPairing: Apple’s Take on Securing Bluetooth Peripherals ......................................... 111
Dennis Heinze, Jiska Classen (TU Darmstadt, SEEMOO); Felix Rohrbach (TU Darmstadt, Cryptoplexity)

BaseSAFE: Baseband SANitized Fuzzing through Emulation ............................................. 122
Dominik Maier, Lukas Seidel, Shinjo Park (TU Berlin)

Analyzing the Attack Landscape of Zigbee-enabled IoT Systems and Reinstating Users’ Privacy 133
Weicheng Wang, Fabrizio Cicala, Syed Rafiul Hussain, Elisa Bertino, Ninghui Li (Purdue University)
Protecting Location Privacy from Untrusted Wireless Service Providers  .................................. 266
Keen Sung, Brian Neil Levine (University of Massachusetts Amherst); Mariya Zheleva (University at
Albany, SUNY)

Guillaume Celosia, Mathieu Cunche (Univ Lyon, INSA Lyon, Inria, CITI)

A Plug-n-Play Game Theoretic Framework For Defending Against Radio Window Attacks .... 284
Pruthuvi Maheshakya Wijewardena, Aditya Bhaskara, Sneha Kumar Kasera, Syed Ayaz Mahmud
(University of Utah); Neal Patwari (Washington University in St. Louis)

Paging Storm Attacks against 4G/LTE Networks from Regional Android Botnets: Rationale,
Practicality, and Implications ........................................................................................................ 295
Kaiming Fang (Binghamton University); Guanhua Yan (Binghamton University, State University of New
York)

ChirpOTLE: A Framework for Practical LoRaWAN Security Evaluation ..................................... 306
Frank Hessel, Lars Almon, Flor Alvarez (TU Darmstadt, Germany)

Security in Terahertz WLANs with Leaky Wave Antennas .......................................................... 317
Chia-Yi Yeh, Yasaman Ghasempour (Rice University); Yasith Amarasinghe, Daniel M. Mittleman (Brown
University); Edward W. Knightly (Rice University)

DEMO: Attaching InternalBlue to the Proprietary macOS IOBluetooth Framework .................. 328
Davide Toldo, Jiska Classen, Matthias Hollick (SEEMOO, TU Darmstadt)

DEMO: BTLEmap: Nmap for Bluetooth Low Energy ................................................................. 331
Alexander Heinrich, Milan Stute, Matthias Hollick (Secure Mobile Networking Lab, Department of
Computer Science, TU Darmstadt)

DEMO: ColoT: A Consent and Information assistant for the IoT .................................................. 334
Victor Morel, Mathieu Cunche (University of Lyon / Inria); Daniel Le Métayer (INRIA Grenoble
Rhônes-Alpes)

DEMO: Extracting Physical-Layer BLE Advertisement Information from Broadcom and Cypress
Chips .............................................................................................................................................. 337
Jiska Classen, Matthias Hollick (SEEMOO, TU Darmstadt)

Demo: iJam with Channel Randomization .................................................................................... 340
Jordan L. Melcher, Yao Zheng, Dylan Anthony, Matthew Troglia (University of Hawaii - Electrical
Engineering Department); Yanjun Pan, Ming Li (University of Arizona); Thomas Yang, Alvin Yang,
Samson Aggelopoulos (University of Hawaii - Electrical Engineering Department)

DEMO: RESCURE: Retrofit Security for Critical Infrastructures ............................................. 343
Mario Münzer, Stefan Ilic (Technikon Forschungs- und Planungsgesellschaft mbH); Georgios Selimis,
Rui Wang (Intrinsic ID); Frans M. J. Willems, Lieneke Kusters (Eindhoven University of Technology)

DEMO: Venom: a Visual and Experimental Bluetooth Low Energy Tracking System ................ 346
Guillaume Celosia, Mathieu Cunche (Univ Lyon, INSA Lyon, Inria, CITI)
POSTER: AcousticPrint: Acoustic Signature based Open Set Drone Identification

Harini Kolamunna (University of Sydney); Junye Li (University of New South Wales); Thilini Dahanayaka (The University of Sydney); Suranga Seneviratne (The University of Sydney, Sydney, Australia); Kanchana Thilakarathna (Data61-CSIRO and The University of Sydney); Albert Zomaya (The University of Sydney); Aruna Seneviratne (UNSW)

Poster: AnaMPhy: Anonymity Assisted Secret Refreshment at the Physical Layer

Jay Prakash (Singapore University of Technology and Design, Singapore); Rajesh Pachigolla (Synopsys India Pvt Ltd., India); Aman Goyal (University of California San Diego, USA); Parthajit Mohapatra (Indian Institute of Technology Tirupati, India); Tony Q.S. Quek (Singapore University of Technology and Design, Singapore)

POSTER: SemperFi: A Spoofer Eliminating Standalone GPS Receiver

Harshad Sathaye, Aanjhan Ranganathan (Northeastern University)

POSTER: Unprotected geo-localisation data through ARGOS satellite signals: The risk of cyberpoaching

Jean Sebastien Finger, Aurelien Francillon (Eurecom)