

WiSec 2020 Opening Virtual / run from HQ in Linz, Austria









Welcome!

- First virtual instance of WiSec, publicly live streamed (<u>YouTube</u>) and recorded, all recorded talks will be available afterwards
- Live interactivity via single video meeting (Zoom) for all participants and virtual conference venue (<u>dedicated Mattermost instance</u>) to retain some advantages of single-track conference format
- Conference time slots optimized for time zones in (eastern) North America, Europe, and (western) Asia based on authors and participants
- 3 days of conference plus 1 day of WiseML workshop









Welcome from ACM!



Gabriele Kotsis **President of the ACM** (starting July 1, 2020)



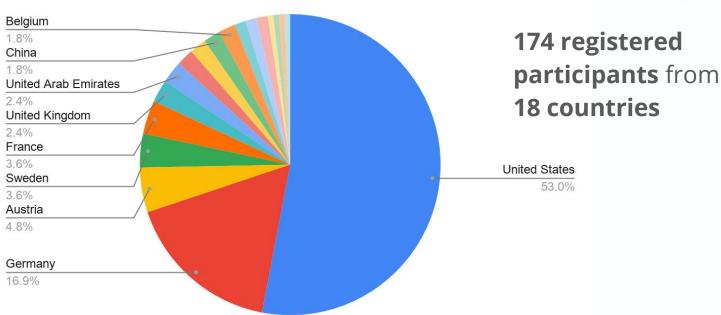






Welcome to all of you!













Do's

Interact, interact, interact
 (it's a conference, not a journal)

https://wisec-chat.ins.jku.at/wisec2020/

- Learn from and respect each other, and always assume good intent
- Share the live streaming Youtube links with colleagues and a shout-out to what you find interesting in any form
- Tell us if anything is missing, not working, or you need special assistance

Don'ts

- Abusive behavior will not be tolerated
- Don't share material others may reasonably find offensive
- Try to not be offended by material from other cultures or other contexts
- Mistakes happen. Don't rant, over-criticise, or call others out → remain constructive in questions and feedback
- Don't widely share Zoom and Mattermost links, these are for registered participants to keep focused





Association for

Computing Machinery

Advancing Computing as a Science & Profession





Program selection

104 submissions

57 TPC-members

85 papers received 4 or more reviews, extensive discussion phase

30 accepted papers: 27 regular and 3 short papers

Acceptance Rate: 29%, focused shepherding of 9 papers

Turnaround time between submission and notification only 6 weeks





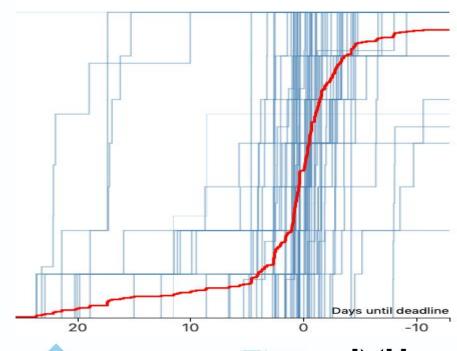




Thanks to our reviewers

More than 95% of reviews finished

Thanks for your dedication even though the covid-19 pandemic was unfolding during our review phase, you contributed very high quality reviews!







Association for

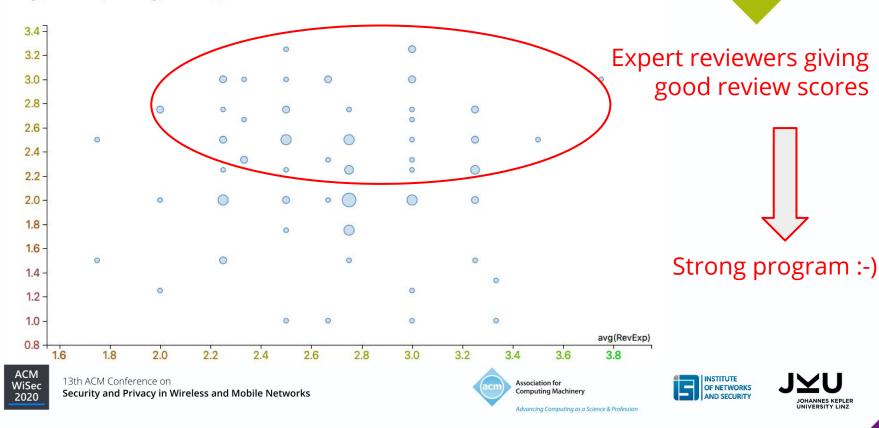
Computing Machinery

Advancing Computing as a Science & Profession



The big picture

avg(OveMer) vs. avg(RevExp)



Conference program

Organized as single (virtual) track with 9 sessions and split poster/demo track

Day	1,	Wed	July	8
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S1: Pairing, authentication, and access control as first steps towards secure systems

Keynote 1: P. Papadimitratos

S2: Localization helps security

Security and Privacy in Wireless and Mobile Networks

S3: To jam or not to jam

13th ACM Conference on

Day 2, Thu July 9

S4: Security analysis from PHY to APP

S5: Demos and Posters

S6: Hardware, firmware, and crypto

\$7: Privacy risks and protection in smart environments

Day 3, Fri July 10

S8: Show me your fingerprints

Keynote 2: R. Grisenthwaite

S9: Location privacy in theory and practice

\$10: Security in (future) cellular networks









WiSec: 13 Years and counting

As every year, WiSec innovates and keeps the good things from the past

Replicability label stronger than ever: 7 accepted submissions



21 out of 30 papers made pre-print available

Thanks to the organizers the Twitter account is really alive and spreads the word

141 tweets and counting, 245 followers











Spread the word

12 out of 30 papers produced video teasers

Combined more than 1k views on youtube

Vote for the best teasers in Mattermost!











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

Enjoy the conference!

If you haven't logged into the virtual conference venue yet, please try it: https://wisec-chat.ins.jku.at/wisec2020/









WiSec 2020 Awards

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Best Paper Award

SVM: Secure Vehicle Motion Verification with a Single Wireless Receiver

Mingshun Sun, Yanmao Man, Ming Li, and Ryan Gerdes







Best Poster Award

SemperFi: A Spoofer Eliminating Standalone GPS Receiver

Harshad Sathaye and Aanjhan Ranganathan







Best Demo Award

BTLEmap: Nmap for Bluetooth Low Energy

Alexander Heinrich, Milan Stute, and Matthias Hollick





Best Teaser Recognition

BaseSAFE: Baseband SAnitized Fuzzing through Emulation

Dominik Maier, Lukas Seidel, and Shinjo Park



Best Teaser Recognition

MagicPairing: Apple's Take on Securing Bluetooth Peripherals

Dennis Heinze, Jiska Classen and Felix Rohrbach



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Enjoy the keynote!

Richard Grisenthwaite (Arm Limited)

Arm Architecture Security Enhancements









WiSec 2020 Closing Virtual / run from HQ in Linz, Austria









Organization team

- General Chairs: René Mayrhofer, Michael Roland
- Technical Program Chairs: Matthias Hollick, Wenjing Lou
- Poster/Demo Chairs: Merve Sahin, Mathy Vanhoef
- Publicity Chairs: Kai Jansen, Feng Lin
- Travel Grant Chairs: Ryan M. Gerdes, Ning Zhang
- Publication Chairs: Max Maaß, Yao Zheng
- Web Chair: Daniel Hofer
- Local Orga: Severina Kehayova, Anja Hoffmann







































Organization team

Live Stream Directors:
 Martin Schwaighofer, Philipp Hofer













Zoom Meeting Management:
 Gerald Schoiber, Michael Riegler, Lukas Wais, Thomas Raab





Server and Networking Infrastructure:
 Tobias Höller, Rudolf Hörmanseder











- Technical Support:
 Franz Bauer, Omid Mir, Aya Mohamed, Michael Preisach, Markus Vogl
- Studio Equipment and Software License Support:
 Ralf Hauber, Sandra Winzer, Johannes Zarl-Zierl & Team













Thanks to everybody!

Stay tuned for updates on WiSec 2021, which will be announced on the web page









13th ACM Conference on

Security and Privacy in Wireless and Mobile Networks







