Android Security Symposium 2020

06 – 07 July 2020 · Virtual (HQ in Linz, Austria)
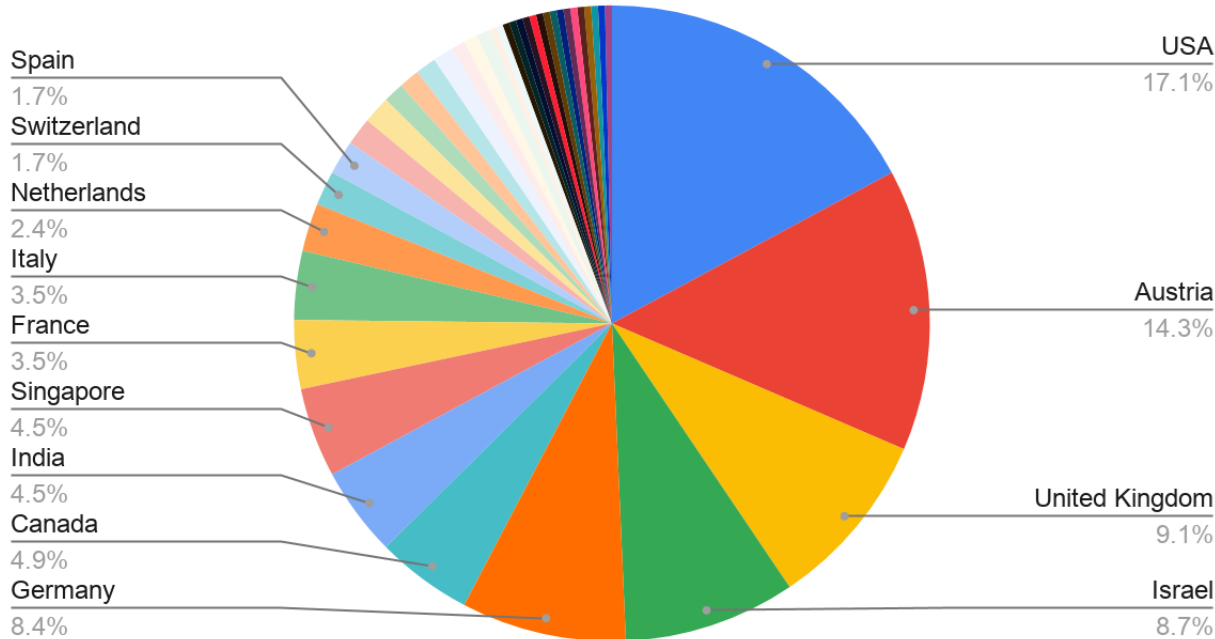
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https://android.ins.jku.at/symposium

Welcome!

- First virtual instance of Android Security Symposium, publicly live streamed (YouTube) and recorded, all recorded talks will be available afterwards
- Live interactivity via single video meeting (Zoom) for all participants and virtual conference venue (dedicated Mattermost instance) to retain some advantages of single-track conference format
- Symposium time slots optimized for time zones in North America, Europe, and (western) Asia based on speakers and participants
- 2 days of talks and keynotes

Most diverse Android Security Symposium so far...

Count

Spain 1.7%
Switzerland 1.7%
Netherlands 2.4%
Italy 3.5%
France 3.5%
Singapore 4.5%
India 4.5%
Canada 4.9%
Germany 8.4%

USA 17.1%
Austria 14.3%
United Kingdom 9.1%
Israel 8.7%

286 participants
from **40 countries**

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Program selection process

- Open call for talks + direct invitations to past presenters, industry representatives, and authors of research published in last 24 months
- Received 14 talk proposals, accepted 5
  - Mostly based on perceived fit for the audience
  - Program for 2 days because of initial venue availability
- ~~5~~ 4 invited talks from leading experts in Android security who graciously agreed to give an overview of their recent work
- All presentations will be recorded and available on the YouTube channel

Thank you!

All speakers do this for free.

Thank you very much for being generous with your time and letting us learn from your experience!

Do's

- Interact, interact, interact
  (it's a symposium, not a journal)

  https://wisec-chat.ins.jku.at/androidsec2020/

- Learn from and respect each other, and always assume good intent
- Share the live streaming 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

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Symposium program

https://android.ins.jku.at/symposium/program/

Day 1: Monday, July 6, 2020 - Session 1

14:15   *Android Device Security Database*
               Daniel R. Thomas, University of Strathclyde, UK
               Alastair R. Beresford, University of Cambridge, UK
               René Mayrhofer, Johannes Kepler University Linz, Austria

15:00   *Perils of Running Apps in Android Virtual Containers*
               Gautam Arvind Pandian and Vikas Gupta, Thales DIS, Singapore

15:40   Break

Symposium program

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Day 1: Monday, July 6, 2020 - Session 2

16:45   *Semi-Interactive Simplification of Hardened Android Malware*
                 Abdullah Joseph, adjust GmbH, Berlin, Germany

17:30   *Android Debug Bridge*
                 Gabriel Cirlig, White Ops, London, UK

18:15   Break

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Symposium program

Day 1: Monday, July 6, 2020 - Session 3

18:30   *50 Ways to Leak Your Data:*
                An Exploration of Apps' Circumvention of the Android Permissions System
                Serge Egelman, University of California, Berkeley and AppCensus, Inc., CA, USA

19:20   Closing of Day

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Enjoy the symposium!

Most active Android Security Symposium so far…

Peaking at **200-250 concurrent live participants** (some non-overlapping sets of participants due to time zones)

About 1000 views at the time of closing, ca. 1900 before day 2

Over 600 hours watched on the live/recorded stream

Over 56 total minutes of Q&A - comparable to previous instances

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Symposium program

Day 2: Tuesday, July 7, 2020 - Session 1

14:15	*Android's Privacy Posture*	
	Dinesh Venkatesan and Aditi Bhatnagar, Microsoft, Hyderabad, India	
15:00	*Memory Tagging for the Kernel: Tag-Based KASAN*	
	Andrey Konovalov, Google, Munich, Germany	
15:40	Break	

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Symposium program

Day 2: Tuesday, July 7, 2020 - Sessions 2 and 3

16:30   *Keynote: The Evolution Of Secure Things*
Alex Gantman, Qualcomm, San Diego, CA, USA

17:30   Break

17:45   *Closing Keynote: Icebergs in Android Security/Privacy*
Sudhi Herle, Google, Mountain View, CA, USA

18:45   Closing of Day

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