RAID 2021

Wednesday, 6 October 2021

8:30 – 9:00	**Welcome** (General Chair, Program Committee Chairs)

Internet of Robots or Things?

Session chair: TBD

9:00 – 9:30	Analysis and Mitigation of Function Interaction Risks in Robot Apps
9:30 – 10:00	An Investigation of Byzantine Threats in Multi-Robot Systems
10:00 – 10:30	SniffMislead: Non-Intrusive Privacy Protection against Wireless Packet Sniffers in Smart Homes

Coffee Break

What is all the fuzz about?

Session chair: TBD

11:00 – 11:30	BSOD: Binary-only Scalable fuzzing Of device Drivers
11:30 – 12:00	c: Efficient Hybrid Fuzzing Through Conservative Constraint Debloating
12:00 – 12:30	UFuzzer: Lightweight Detection of PHP-Based Unrestricted File Upload Vulnerabilities Via Static-Fuzzing Co-Analysis

Lunch

At the core of everything

Session chair: TBD

14:00 – 14:30	SecureFS: A Secure File System for Intel SGX
14:30 – 15:00	BasicBlocker: ISA Redesign to Make Spectre-Immune CPUs Fasteriot
15:00 – 15:30	Fast Intra-kernel Isolation and Security with IskiOS
15:30 – 16:00	Encryption is Futile: Reconstructing 3D-Printed Models Using the Power Side-Channel

Coffee Break

Keynote

16:30 – 17:30	Riding the Fuzzing Hypetrain (by Mathias Payer, EPFL)

Thursday, 7 October 2021

Reverse like you mean it!

Session chair: TBD

9:00 – 9:30	DisCo: Combining Disassemblers for Improved Performance
9:30 – 10:00	iTOP: Automating Counterfeit Object-Oriented Programming Attacks
10:00 – 10:30	Lost in the Loader: The Many Faces of the Windows PE File Format

Coffee Break

Detect it already!

Session chair: TBD

11:00 – 11:30	Crafting Adversarial Example to Bypass Flow-&ML- based Botnet Detector via RL
11:30 – 12:00	CADUE: Content-Agnostic Detection of Unwanted Emails for Enterprise Security
12:00 – 12:30	GrandDetAuto: Detecting Malicious Nodes in Large-Scale Autonomous Networks

Lunch

IoT everywhere anywhere

Session chair: TBD

14:00 – 14:30	AttkFinder: Discovering Attack Vectors in PLC Programs using Information Flow Analysis
14:30 – 15:00	HandLock: Enabling 2-FA for Smart Home Voice Assistants using Inaudible Acoustic Signal
15:00 – 15:30	What Did You Add to My Additive Manufacturing Data?: Steganographic Attacks on 3D Printing Files
15:30 – 16:00	Practical Speech Re-use Prevention in Voice-driven Services

Coffee Break

Doesn't exist if I don't see it (!)

Session chair: TBD

16:30 – 17:00	Automated Least-Privilege Analysis
17:00 – 17:30	The Service Worker Hiding in Your Browser: The Next Web Attack Target?
17:30 – 18:00	Designing Media Provenance Indicators to Combat Fake Media

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Friday, 8 October 2021

Let's measure a little!

Session chair: TBD

9:30 – 10:00	Marked for Disruption: Tracing the Evolution of Malware Delivery Operations Targeted for Takedown
10:00 – 10:30	The Evolution of DNS-based Email Authentication: Measuring Adoption and Finding Flaws
10:30 – 11:00	Where We Stand (or Fall): An Analysis of CSRF Defenses in Web Frameworks

Coffee Break

Minestrone

Session chair: TBD

11:30 – 12:00	On the Usability (In)Security of In-App Browsing Interfaces in Mobile Apps
12:00 – 12:30	Stratosphere: Finding Vulnerable Cloud Storage Buckets
12:30 – 13:00	The Curse of Correlations for Robust Fingerprinting of Relational Databases

Lunch

Artificial or Organic Intelligence?

Session chair: TBD

14:30 – 15:00	Mini-Me, You Complete Me! Data-Driven Drone Security via DNN-based Approximate Computing
15:00 – 16:30	Living-Off -The-Land Command Detection Using Active Learning
16:30 – 17:00	SyML: Guiding Symbolic Execution Toward Vulnerable States Through Pattern Learning

17:00 – 17:30	**Closing remarks**

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