**Wednesday, 6 October 2021**

8:30 – 9:00

**Welcome** (General Chair, Program Committee Chairs)

**Internet of Robots or Things?**

*Session chair:* Ramin Sadre

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:* Davide Balzarotti

11:00 – 11:30

BSOD: Binary-only Scalable fuzzing Of device Drivers

11:30 – 12:00

LeanSym: 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:* Igor Santos

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   
Mathias Payer

**Thursday, 7 October 2021**

**Reverse like you mean it!**

*Session chair:* Leyla Bilge

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:* Bum Jun Kwon

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:* Urko Zurutuza

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:* Iskander Sanchez

16:30 – 17:00

μSCOPE: A Methodology for Analyzing Least-Privilege Compartmentalization in Large Software Artifacts

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

**Friday, 8 October 2021**

**Let’s measure a little!**

*Session chair:* Marc Dacier

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:* Giancarlo Pellegrino

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:* Yufel Han

14:30 – 15:00

Mini-Me, You Complete Me! Data-Driven Drone Security via DNN-based Approximate Computing

15:00 – 15:30

Living-Off -The-Land Command Detection Using Active Learning

15:30 – 16:00

SyML: Guiding Symbolic Execution Toward Vulnerable States Through Pattern Learning

16:00 – 16:30

**Closing remarks**