

# IoT Security Workshop

On 7 September 2017, the Secure Systems research group held a public workshop to discuss progress in IoT security. The leading security and privacy researchers from all over the world discussed the latest and future research on IoT security (please see the program below). The goal of the workshop was to identify avenues of future collaborative research.

The workshop consisted 20 minutes presentations and 10 minutes questions/discussion between the speakers and the audience.

About 90 participants attended the workshop that featured invited speakers from academia and industry. Please find the presentations below.



## Venue and Date

**Date:** September 7th, 2017

**Time:** 9:00 - 16:30

**Location:** Lecture Hall T1, CS building, 2nd floor, Konemiehentie 2, Espoo

## Program

Schedule	Presenter	Title (click on tile to access abstract)	Additional Information
9:00 - 9:45 New Initiative	<a href="#">N. Asokan (Aalto)</a> / <a href="#">Matthias Schunter (Intel)</a> / <a href="#">Ahmad-Reza Sadeghi (TU Darmstadt)</a> / <a href="#">Dean Jouko Lampinen (Aalto)</a>	Announcement and overview of new initiative	<a href="#">Slides</a> <a href="#">Slides</a>
9:45 - 10:00 Invited talk	<a href="#">Pekka Sivonen (Tekes)</a>	Digital State-of-the-Nation	<a href="#">Video1</a> , <a href="#">Video2</a>
10:00 -10:30 Coffee break			
10:30 - 10:45 Overview	<a href="#">N. Asokan (Aalto University, Finland)</a>	SELIoT presentation + workshop overview	<a href="#">Slides</a> , <a href="#">Video</a>
10:45 - 12:30 SELIoT updates	<a href="#">Gene Tsudik (University of California Irvine, USA)</a>	Presence Attestation: The Missing Link In Dynamic Trust Bootstrapping	<a href="#">Slides</a>
	<a href="#">Patrick Traynor (University of Florida, USA)</a>	Sound Principles: Verifying Voice Commands in an IoT World	<a href="#">Slides</a>
	<a href="#">Samuel Marchal (Aalto University, Finland)</a>	chownIoT: Secure Handling of Smart Home IoT Devices Ownership Change	<a href="#">Slides</a>
	<a href="#">Thomas Nyman (Aalto University, Finland)</a>	Secure Firmware Update for Resource Constrained Devices	<a href="#">Slides</a>
12:30 - 13:30 Lunch			
13:30 - 15:00 Invited talks	<del>Will Enck</del> <a href="#">Terrence O'Connor (NC State University, USA)</a>	Classifying and Enforcing Network Profiles of Smart Home IoT Devices	
	<a href="#">Jari Arkko (Ericsson, Finland)</a>	Architecture, Economics and the Value of Security for Things	<a href="#">Slides</a>
	<a href="#">Ahmad-Reza Sadeghi (TU Darmstadt, Germany)</a>	Things, Trouble, Trust: On Building Trust in IoT Systems	
15:00 - 15:30 Coffee break			
15:30 - 16:30 Invited talks	<a href="#">Sasu Tarkoma (University of Helsinki, Finland)</a>	The Internet of Things Research Program and Beyond	<a href="#">Slides</a>
	<a href="#">Mihalis Maniatakos (NYU Abu Dhabi, UAE)</a>	Hardware-based Solutions for Critical Infrastructure Security	<a href="#">Slides</a>