

# SELIoT: SEcuring Lifecycle of Internet of Things

The SELIoT (SEcuring Lifecycle of Internet of Things) project proposes to address the currently pervasive lack of IoT security by a comprehensive approach that spans the entire lifecycle of an IoT device. Security of typical IoT devices is glaringly inadequate despite the fact that these devices have an unprecedented access to sensitive data and/or ability to control the environment. While previous results considered specific vulnerabilities or focused on basic security issues (e.g., key management), this project takes into account the unique context of IoT systems: starting with *initial deployment (birth)*, continuing through *normal operation (life)* and lasting until *repurposing*, caused by, e.g., ownership change or disposal.

SELIoT is a project funded by the [Academy of Finland](#) (grant 309994) and the [NSF](#) (2017-2019) under the auspices of the [WIFIUS program](#). It is a joint project between [Aalto University](#), the [University of Florida](#) and the [University of California Irvine](#).

## Quick Links

- [Project Summary](#)
- [Dissemination of Research Results](#)
- [Data and Software](#)
- [IoT Security Workshop](#)

## News

- **September 2017:** [IoT Security workshop presentations are available now.](#)
- **August 2017:** On 7 September 2017, we will hold a public workshop to discuss progress in IoT security. [Registration is free and open to anyone now!!](#)
- **June 2017:** [IoT Sentinel](#) got the [Best Poster Award at IEEE ICDCS '17](#). Congratulations to Markus Miettinen, Samuel Marchal and the rest of the team!!
- **June 2017:** Samuel Marchal will co-chair the [International Workshop on Secure Internet of Things \(SIoT\)](#) collocated with [ESORICS 2017](#). SIoT will be held in Oslo, Norway on September 15, 2017. Consider submitting your latest research on IoT security there (**deadline is June 25, 2017!**)
- **May 2017:** "HYDRA: HYbrid Design for Remote Attestation (Using a Formally Verified Microkernel)" has been accepted for [publication at ACM WiSec'17!!](#) See you in Boston, USA!
- **April 2017:** [IoT Sentinel](#) has been accepted for [publication](#) and [demo at IEEE ICDCS'17!!](#) Come to see our presentation in Atlanta, USA!
- **April 2017:** SELIoT project has been accepted for funding by AoF (grant 309994) and NSF!!