

Training:

Electronics & Microsoldering training for security researchers & reversers

Date of the training: **March 18–19, 2019** in Heidelberg, Germany

Book Now using the voucher code: **TR19_HMTS** and save an additional 5% of the current valid rate of any package!

Overview

The goal of this very practical training is to empower software security researchers with low-cost hardware reversing skills and open the doors to an entire new playground of embedded devices & IoT analysis and hardware vulnerabilities hunting.

The first day focuses on some modern electronics basics: MCUs, UART, SPI, I2C but also how to design your own PCB with Kicad, etch it and finally how to reverse a PCB, identify components, observe with an oscilloscope or a logic analyzer, locate data busses, UARTs, etc.

The second day focuses on microsoldering skills to spy on EEPROM/MCUs: learn how to tap PCB tracks with 0.1mm microwires (don't worry, we provide microscopes) to sniff busses and get access to hidden UARTs or JTAGs. But also learn how to deal with BGA components, desolder them, reball them, design ad-hoc PCB adapters and be able to dump and tamper with EEPROMs content and alike.

You'll get plenty of time to practice under our supervision and to learn our tips & tricks.

Prerequisites

- A steady hand, but no need for prior knowledge in electronics.
- A laptop with Kicad pre-installed (<http://kicad-pcb.org/>).

About the Speaker: Guillaume Heilles

Guillaume Heilles (@PapaZours) is a software & hardware security researcher / engineer at Quarkslab after having spent about 15 years in the industry. He organized numerous trainings, workshops & CTFs about automotive, microsoldering, cryptography as well as various talks and publications.

About the Speaker: Philippe Teuwen

Philippe Teuwen (@doegox) is a software & hardware security researcher / engineer at Quarkslab after having spent about 15 years in the industry. He organized numerous trainings, workshops & CTFs about RFID & NFC, microsoldering, cryptography as well as various talks and publications.

Booking

Recommended Online Booking of Trainings Through:

Sign-Up Form <https://troopers.de/tickets/>

Voucher code: **TR19_HMTS**

Using this voucher code automatically gives you an additional 5% off the current valid price! You can register with this code up until March 11th, 2019 or until seats have run out.

Contact

Need assistance? Don't hesitate to call us. We are fluent in English and German.

Zögern Sie nicht uns zu kontaktieren. Wir sprechen fließend Englisch und Deutsch.

Troopers Organization Team

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Booking is also possible offline through your trusted partner from:



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