

# Riscure Workshop 2019 program - Korea



## 8:45 Reception

### 9:15 What's Hot & What's Happened – 60min - MW

During this 45-minute talk, our CEO Marc Witteman will share his thoughts on recent market developments and gives an insight on his expectations of trends that have a chance to become mainstream in the near future.

### 10:15 Deep Learning – 45min - SK

During this talk our Deep Learning expert will discuss the latest developments on Deep Learning for side channel analysis including Neural Network Model Assessment for Side-Channel Analysis and he will share some of the research topics we have on our agenda for the upcoming months.

### 11:00 Coffee break – 'take a close look at our demo setups'

### 11:30 Inspector Cloud – 30min - EiV

Cloud computing is emerging all around us. Riscure developed a cloud environment for side channel analysis, first aimed at the IoT market and universities. During this session we will discuss the workflow principles to do side channel analysis in our cloud environment, the brand new user interface, have a live demo and give a preview on future developments.

### 12:00 Lunch

### 13:30 Inspector releases, Hardware & Tools Update – 30min – BG/EiV

In 2019 Inspector version 2019.1 is already released, Inspector 2019.2 will be available soon and towards the end of the year yet another Inspector release is planned. During this session we will cover the highlights of both releases, show short demonstrations and give guidance on how to start using them. We will also share what is in the upcoming release and roadmap topics for 2020.

During 2019 Riscure will introduce several new upgrades for the hardware tools that enable side channel analysis or fault injection. In this session we will cover all new developments and discuss their practical use cases and give a demonstration.

### 14:00 Finding security vulnerabilities in software – 45min – EiV/FdB

A lot of software being written needs to be secure. Secure against all kinds of attacks that would allow an attacker to gain control over the system in a way that it could compromise the legitimate user of the software and the device it is running on. To prevent this code reviews are being done to find vulnerabilities and give feedback to the development team so that they can resolve them. This however is not an automated process and therefore a good candidate to improve efficiency and quality. In this session one of our principal developers will discuss Riscure's view on efficiently end (semi) automated review of source code.

### 14:45 Coffee break – 'take a close look at our demo setups'

### 15:15 Simulation – secure devices during development – 30min – EiV

Check SCA and FI resistance during development. Gaining insight in vulnerabilities during development could not only save a lot of time but is also very cost efficient. Riscure is developing a solution that will allow you to discover vulnerabilities early and easy. During this session we will discuss our approach and show a demo.

### 15:45 Injection FI countermeasures in Software – 30min – EiV

Preventing fault injection vulnerabilities in software is important but difficult. Developers need to keep track of a lot of things and besides that the number and type of attacks and vulnerabilities constantly change. Helping out by injecting countermeasures automatically could be a way to make life easier. In this talk we will demonstrate a prototype and discuss our approach.

### 16:15 Research @ Riscure – 45min - MW

### 17:00 Closing