

## **Autumn Event 2018 - at Baubibliothek ETH Zürich**

Location:  
ETH-Baubibliothek (Architecture and Civil Engineering Library)  
Stefano-Francini-Platz 5 (Hönggerberg), HIL E 2  
8093 Zürich

Wednesday, 14 November 2018  
14:00 - 17:30 h, followed by an Apéro

### **Introduction**

The potential for a variety of future contactless applications in health care are tremendous while the technological and regulatory challenges are demanding. At the Forum you will get first-hand information on a novel approach for contactless vital signs monitoring and automated alerting based on smart sensors and modern techniques from AI.

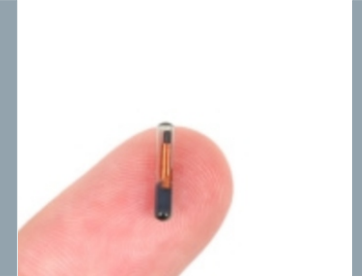
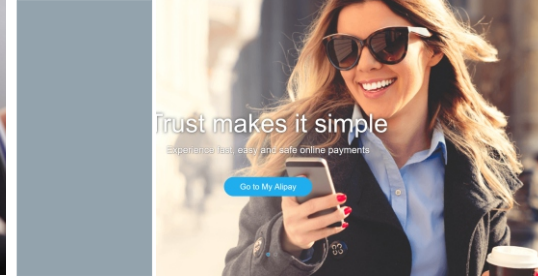
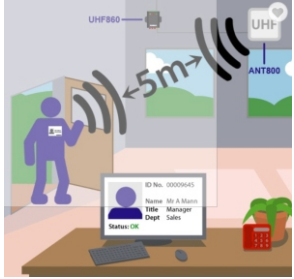
openCashfile is an innovative data structure for smartcards. A board member of Common Smartcard Germany will show how to use such common structures to build cashless payment applications for catering and gastronomy as well as for applications for access control.

In our third presentation Professor Home from ETH will present an overview on the state of the art in quantum computing and on its potential for next generation applications for instance in cryptography.

Finally, in our fourth presentation of the day you will learn how unified IoT services can be provided to enterprises globally through a single access platform integrated with multiple technology and service providers.

We very much appreciate ETH-Baubibliothek hosting this event.

René Meier  
Chairman SmartCard Forum Schweiz



## Programme

- 14:00 **Welcome and Introduction**  
*Moderation: Paul Aebi, SmartCard Forum Schweiz*
- 14:15 **Anomaly Detection in IoT Healthcare Data – Contactless Vital Signs Monitoring and Automated Alerting**  
*Sandro Cilurzo, Sedimentum*
- 15:00 **Common Smartcard**  
*Thomas Maier, Common Smartcard*
- 15:45 **Break / Library Tour**
- 16:00 **Quantum Computing**  
*Prof. Jonathan Home, ETH Zürich*
- 16:45 **Catalyzing Global IoT Roll Out**  
*Daniel Bajka, ConnectedYou*
- 17:30 **Apéro**



### **Sandro Cilurzo, CEO and Founder Sedimentum**

As a result of the continuously expanding supply of powerful sensors, sophisticated applications like «contactless vital signs monitoring» are now possible. The tech startup Sedimentum is developing a sensor based solution that combines IoT healthcare data with the capabilities of modern AI algorithms for anomaly detection. Healthcare institutions can use this novel solution for an improved physical protection of their clients.



### **Thomas Maier, Board Member Common Smartcard**

Common Smartcard aims to devise an open and standardised approach for smartcard solutions. Central to this is openCashfile, an innovative data structure for RFID applications that enables global project partners to build on a transparent base for common and shared smart card data.



### **Jonathan Home, Institute for Quantum Electronics, ETH Zürich**

Professor Home will present an introduction to the field of quantum computing and elaborate on the differences to traditional approaches to computing as well as the new types of problems that can be addressed through the use of quantum computing.



### **Daniel Bajka, Vice President Operations ConnectedYou**

A unique and much needed orchestration of global teamwork that creates the necessary pull for IoT to rise above its adoption curve and get more closer to the predictions and its true potential.



#### Directions to the ETH Baubibliothek:

There are several busses, exit at ETH Hönggerberg

All participants are kindly requested to register until the **12<sup>th</sup> of November** via email to [rene.meier@smartcard-forum.ch](mailto:rene.meier@smartcard-forum.ch).

Participation for members and students is free of charge. Please ensure to register early.

The participation fee for guests is CHF 180, paid either via invoice or in cash at the beginning of the event.

Save the date for our next event: **15 May 2019**. Visit our website [www.smartcard-forum.ch](http://www.smartcard-forum.ch) for further details.

The pictures in this flyer are taken from various websites such as [www.swisssign.com](http://www.swisssign.com), [www.aim-d.de](http://www.aim-d.de), SIX Payment Services, etc.

Please note that during the event photos or videos may be taken that may be published on our website.

Presentations given at the events will be accessible to members in the login area of our website.

