

3.2 Written Solution Press Release

QR-codes can save lives!

CoCo helps health agencies in Germany to get the pandemic under control.

Munich - March 1st, 2021 - Since the beginning of the Corona crisis, health agencies have faced a challenge unlike any seen before. A new contact communication technology named CoCo will soon be used to send out automated notifications to people in contact with positive corona cases. Hence, the tracing process will be much faster and more efficient, whilst data protection is ensured.

Together with his former PhD student Johann Schlamp, Prof. Georg Carle (Department of Network Architectures and Network Services at the TU Munich) has developed QRONITON, an IT service that simplifies the registration and contact tracing process of Corona infections while protecting personal data. QRONITON works via QR-Codes, which are scanned with the mobile phone. Every location, whether it is a restaurant or a seat in an auditorium, can be assigned an individual QR code. When a user scans it, time and contact data are recorded. The QR-Codes can be scanned with common smartphones and individuals without a smartphone can simply carry printed codes with them. The use of QRONITON is therefore possible for all people without restrictions.

The team around QRONITON has now introduced its new contact communication feature named CoCo. With the help of CoCo public health authorities can both identify infected people as well as inform their exposed contact partners way faster.

"CoCo helps me to trace and inform COVID-19 contact persons in a much more efficient manner. The now easier and faster communication helps not only to slow the spread of the disease but also gives me the ability to focus on tracking more severe cases.", said Maria, a 47-year old employee at the German Health Department. "All I have to do is to register the infected person and push a button to send out all the notifications to the contact persons involved. As a result all the cases are tracked holistically and contact persons are informed timely."

In case of a registered infection, the responsible health authority has the ability to easily track the contact persons who are potentially at risk. After that, the new CoCo feature comes into play. ^[SEP] It enables the public health department to send an SMS to all contact persons with just one press of a button. This SMS contains helpful information as well as an automated questionnaire that determines the risk status of the contact persons without time-consuming individual evaluation. After this automatic classification into risk categories, contact persons receive instructions tailored to their respective category.

"Two weeks ago I had a presence lecture at my university. A fellow student, who was also present there, tested positive for the corona virus shortly afterwards. Soon after, I was informed via SMS by the health authority about the risk contact", said Simon, a 25 year old Master Student at Munich University of Applied Sciences. "At first, this was of course a rather worrying message, but after I had filled out the questionnaire included in the SMS, the green light came from the system within seconds: Luckily the probability that I had been infected was very low. Thanks to the instructions I received from the CoCo system afterwards, all my open questions were clarified quickly and I knew exactly what I had to do".

During the next weeks it will be shown whether Germany will get the next corona wave under control in time. QRONITON's new automated notification system CoCo will contribute a large part to informing contact persons timely and thus to interrupting the infection chains quickly. For more detailed information about the functionality of QRONITON and CoCo go visit <https://qroniton.eu>.

3.3 Video: Solution Press Release

Access under the following link:

https://syncandshare.lrz.de/getlink/fiCNXfawL5nxqJGVe6j9J4eS/Video_Solution%20Press%20Release_CoCo_2021.mp4