

Report for attending NISK 2018

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1 Event

With the support from Coins, i was lucky to attend the NISK 2018 conference in Longyearbyen, Svalbard, Norway. It lasts for three days from 18 to 20. The speakers come from different institutions. Some of them are from universities and some of them from government or industry. In one sentence, it gives me an opportunity to interact with many excellent researchers.

2 Programs

We arrived at Svalbard on the 18th of September. I could not help to be exciting since this was my first time to stand inside the north polar. Although the temperature is low, I walked outside of the hotel to enjoy the cold wind flying through my face. To my surprise, the lake was not frozen and the grass was still growing. I know that is the amazing Svalbard. In the trip, i met many my old friends and i was really happy to meet each other. We talked a lot about the PhD life and life after PhD.

On the next day, there are full of talks. It includes crypto-primitives, crypto-protocols, and security analysis. Specifically, two talks for crypto-primitives, two talks for crypto-protocols, and four talks for security analysis. In addition to the 10 talks, there were two invited talks. Unfortunately, i couldnot understand what they talked since it is in Norwegian. It pushes me to learn and speak Norwegian.

In the Last day, we had two main talks. One was biometrics and another one was malware. I was very interested in these two topics and i would give more details about them. In total, there are three talks for the biometrics and three for malware.

In the topic of biometrics, Tommy Thorsen gave a talk named *assessing face image quality with LSTMs*. It talks about the face image quality evaluation. Pankai Wasnik gave talk named *Baseline Evaluation of Smartphone based Finger-photo Verification System: A Preliminary Study of Technology Readiness*. He introduced the finger-photo verification system in the phone, which is very practical for current application. Marta Gomez-Barrero presented a paper named *Towards Fingerprint Presentation Attack Detection Based on*

Short Wave Infrared Imaging and Spectral Signatures. He talked about the fingerprint attack.

In the talk of malware, i was impressed by the presentation of *Fighting Ransomware with Guided Undo*. It showed many examples of ransomware. I realised that the technology can help many people, especially young people, to have a healthy life. My friend Felix also gave a talk named *Source Code Patterns of Cross Site Scripting in PHP Open Source Projects*. His work is very practical for addressing threats from current application, e.g, website fishing. His presentation named *Source Code Patterns of Cross Site Scripting in PHP Open Source Projects*. The last talk's name is *Comparing Open Source Search Engine Functionality, Efficiency and Effectiveness with Respect to Digital Forensic Search*. It compared with popular open source search engines, e.g., Solr and elasticsearch. I believe this work will guild more people to select open source search engine.

2.1 Time Flies

In this conference, most speakers are PhD students. The last suggestion from their experience is to value the time. Finally, i would like to share a sentence: *Lost wealth may be replaced by industry, lost knowledge by study, lost health by temperance of medicine, but lost time is gone for ever.*