

Travel Report on NISK Conference 18-20 September 2018

This report reflects on the NISK 2018 conference that took place in Svalbard, Longyearbyen, during 18th to 20th September 2018.

I thank COINS for the travel support, that gave me this opportunity to experience and learn from this conference with remarkable participants.

It was a 3 day event and was held on picturesque island of Svalbard.

Day 1: was COINS Ph.D. student seminar. First session was lessons learned from graduated PhD students. Chris Carr from NTNU talked about “How to get (and not to get) a PhD + why you should / shouldn’t travel”, Andrii Shalaginov from NTNU talk, was about “Ph.D: “Mission Impossible” or “Roadside Picnic”?”. Bo Sun from UiB, talked about “There is always light at the end of the tunnel”. In the next session current PhD students talked about their current researches: Adam Szekeres from NTNU talk, was: “Towards predicting individual human decision making in the context of IoT security”. Then Ali Khodabakhsh from NTNU talked about “Fake Face Detection: A Biometric Approach”. Afterwards Jan William Johnsen from NTNU talked about “Identifying Central Individuals in Organised Criminal Groups and Underground Marketplaces”. Next talk was from NTNU by Mazaher Kianpour on “Cyber Risk Quantification for Business and Economic Gain”. Then Muhammad Mudassar Yamin from NTNU talked about “Importance of autonomous teams in operation-based cyber security exercises” and last talk in this session was by Shukun Tokas from UiO on “Language-based mechanisms for GDPR compliance”. At the end two talks were about Life after the Ph.D by Berglind Smaradottir from UiA on “Experiences from doing a Phd in ICT at the University of Agder – How to find a job afterwards?” and Bikash Agrawal from UiS talked about “A journey from PhD to Startup”.

Day 2: NISK conference started by the keynote from Prof.Barbara Wasson, leader of SLATE. Talk was about “Learning Analytics: What is it and what is its role in education?”. Then two papers presented in the first session (Crypto-primitives) by Martha Norberg Hovd on “A Successful Subfield Lattice Attack on a Fully Homomorphic Encryption Scheme” and Slobodan Petrovic on “Improving the generalized correlation attack against stream ciphers by using bit” (Short paper). Then in the next session (Crypto-protocols) in the afternoon, papers presented by Merete Elle, Stig Frode Mjolsnes and Ruxandra F. Olimid on “Distributed Personal Password Repository using Secret Sharing” and Staal Vinterbo on “The tension between anonymity and privacy”. And last session of day 3 was about Security Analysis, talked in this session continued by Tjerand Aga Silde, Kristina Nelson and Anushah Hossain on “Where is the web still insecure? Regional scans

for HTTPS certificates” (Short paper). Patrick Bours, Parisa Rezaee Borj and Guoqiang Li. Fake on “Chatroom Profile Detection” (Presentation/Poster), Per Hakon Meland on “Combining threat models with security economics” (Presentation/Poster). And last talk of this day was by Roman Vitenberg on “Debunking blockchain myths” (Short paper)

Day 3: started by keynote on “Developing for the long term – Lessons learned through 20 years of Qt” by Lars Knoll, PhD, CTO of The Qt Company. Then there was a talk on security from Marta Gomez-Barrero, Jascha Kolberg and Christoph Busch about “Towards Fingerprint Presentation Attack Detection Based on Short Wave Infrared Imaging and Spectral Signatures”.

Overall the sessions and talks were beneficial for my research work, especially keynotes. All others also gave certain perspective.

I again thank COINS for the travel support, that helped me to attend this event and learn from speakers.

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