Cyber and Information Security Day

STARMUS

Digitalization contributes with an estimated annual growth of 24 billion Norwegian Kroner to the Norwegian Society. On the other hand the implied cost in terms of cyber- and information security incidents is estimated to 20 billion Norwegian Kroner. The situation is descriptive for most occidental countries, and an increased focus on research and education have been given key roles in many national cyber and information security strategies.

The Cyber and Information Security Day will highlight current research and development trends in the area and in addition debate a possible way forward for education.

Time: June 20th, 09:00–12:00 | Place: Realfagsbygget R1 | **FREE ADMISSION**

09:00 WELCOME
Sofie Nystrøm, Center Director, NTNU Center for Cyber and Information Security

09:10 R&D TRENDS IN INFORMATION SECURITY

- *Overview of the threat landscape*
  Sergey Novikov, deputy director, global Research & Analysis team Kaspersky
- *Low Level Malware Analysis for Improved Attack Detection and Triage*
  Geir Olav Dyrkolbotn, Associate Professor, Norwegian Cyber Defence Force and NTNU CCIS
- *Secure Deduplication: Security Versus Efficiency in Cloud Storage*
  Colin Boyd, Professor, NTNU Applied Cryptography Laboratory, Department of Information Security and Communication Technology, NTNU
- *Privacy Aspects of Biometric Authentication*
  Martin Stokkenes, PhD student, Norwegian Biometrics Laboratory, Department of Information Security and Communication Technology, NTNU
- *Medical Device Security and Embodied Vulnerabilities*
  Marie Moe, Research Manager, SINTEF Digital
- *AI/Machine Learning for Cyber Attack Detection*
  Hai Nguyen, Research Scientist, Telenor Research
- *Threat Intelligence and Digital Forensics in the Era of Big DaTa*
  Katrin Franke, Professor, NTNU Digital Forensics, Department of Information Security and Communication Technology

10:55 BREAK

11:10 PANEL: GAMIFICATION OF INFORMATION SECURITY EDUCATION
Introduction and moderation by Simon McCallum, associate professor, Department of Computer Science, NTNU.

Panel Participants:
- Sergey Novikov, deputy director, global Research & Analysis team Kaspersky
- Erlend Andreas Gjære, Research Scientist, SINTEF Digital
- Danilo Gligoroski, Professor, NTNU Applied Cryptography Laboratory, Department of Information Security and Communication Technology, NTNU
- Geir Olav Dyrkolbotn, Associate Professor, Norwegian Cyber Defence Force and NTNU CCIS
- Rune Hjelsvold, Professor, Center for Excellent IT Education (ExcITEd), Department of Computer Science, NTNU

12:00 END OF PROGRAM