



Frostbyte Cybersecurity Workshop

Presentation of student projects and Frostbyte cybersecurity laboratory opening

Organised by the cybersecurity collaboration of University of Iceland and Reykjavik University

<https://www.frostbyte.is/>

Friday, 23 May 2025, 9:00-13:45

Reykjavik University – Lecture room [Mars M122](#)

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| 9:00-9:10 | Opening, Introduction of participants |
| 9:10-9:20 | Keynote: Towards a better understanding of evolving cyber security threats (Hans P. Reiser) |
| 9:20-9:40 | How safe is home? – Investigating router configurations and cybersecurity readiness in Iceland (Valgarð Guðni Oddsson) |
| 9:40-10:00 | Vulnerabilities and exploitation of RFID identification cards (Sigurður Marteinn Lyngberg Sigurðsson) |
| 10:00-10:20 | Future of bootkits and defences against them (Milan Petrusic) |
| 10:20-10:30 | Coffee break |
| 10:30-10:50 | Accidental pentest – why not to code with AI (Birgir Sigurðsson) |
| 10:50-11:10 | Towards real-time malware classification through honeypot analysis (Miguel Falsco) |
| 11:10-11:30 | HoneywareX: LLM-based Linux Shell Honeypot (Adetayo Adebimpe) |
| 11:30-12:00 | Lunch break |
| 12:00-12:20 | Scan Iceland: Væðva - Architecture and Implementation of a Continuous National Network Scanner (Marteinn Lundi Kjartansson & Emilía María M. Kristjánsdóttir) |
| 12:20-12:40 | Gagnabær: An interactive visualization of real-world cyberattacks (Brynjólfur Stefánsson) |
| 12:40-13:00 | Flexible introspection solutions & VMI vs eBPF (Niku Waltteri S. Nuutinen) |
| 13:00-13:30 | Round table discussions
<i>Identify problems & topics, needed skills & resources for teaching and research</i> |
| 13:30-13:35 | Closing & Announcement of best student presentation |
| 13:35-13:45 | Frostbyte cybersecurity laboratory opening and lab tour |

Coffee and small bites available from 9:00.

The Ministry of Culture, Innovation and Higher Education is funding the cybersecurity collaboration of University of Iceland and Reykjavik University. The European Union and the European Cybersecurity Competence Centre (ECCC) are co-funding the Frostbyte cybersecurity laboratory via the Digital Europe Programme projects *Iceland Cybersecurity Coordination Centre (NCC-IS)* and *Defend Iceland*.

