

## Session A

Time Friday, 1 Dec 2023 at 08:50-18:30 (Finnish timezone)

Version 1.12.2023

Zoom <https://aalto.zoom.us/j/63079405727>

Chair Jan-Mikael Rybicki

Timeslot	Presenter	Title	Opponent
8:50-8:55	Jan-Mikael Rybicki	Opening words and instructions	
8:55-9:15	Lauri Ahlberg	Large language models for protein structure prediction and design	Ashraff Samuel Albert
9:15-9:35	Saj Sneha	Query Formation: A Comparative Analysis of Search Engines and AI Models	Savola Joonas
9:35-9:55	Savola Joonas	Third party cookies and how browser developers plan to deprecate them	Saj Sneha
9:55-10:15	Ashraff Samuel Albert	Migrating from monolithic architecture to microservices: A comparative analysis of migration approaches	Lauri Ahlberg
10:15-10:35	Henriksson Nuutti Anttoni	Password usability and security	Huazhi Han
<b>Break</b>			
10:40-11:00	Hernandez Gutierrez Sergio	A Comprehensive Overview of Goal-Conditioned Hierarchical Reinforcement Learning: Algorithms, Challenges, and Future Directions	Jere Hirviniemi
11:00-11:20	Harry Pham	Certification of Machine Learning Robustness against Evasion Attacks	Jaakko Perttula
11:20-11:40	Huazhi Han	Exploring the Practical Application of Distributed Artificial Intelligence: Structures and Tools	Henriksson Nuutti Anttoni
11:40-12:00	Impiö Jussi Ilari	Exploiting HTTP/2: Investigating Attack Strategies against Content Delivery Networks	Zehui Xu
<b>Lunch Break</b>			
13:00-13:20	Aaron Campbell	Understanding Adversarial Sample Transferability	Doan Tuan Dat
13:20-13:40	Kuosa Venla Helena	OT vs IT cybersecurity management	Otso Laasonen
13:40-14:00	Max Ulfves	A Survey of Methods for Robust Camera based Pose Estimation	Ilmari Tarpila
14:00-14:20	Ristov Riste	Testing network policies with eBPF	Leevi Rönkkö
<b>Break</b>			
14:30-14:50	René Steeman	New challengers in the field of stance detection	Sigurðsson Ingi Þór
14:50-15:10	Otso Laasonen	Neural Radiance Fields And Its Extensions And Applications In Computer Graphics	Kuosa Venla Helena
15:10-15:30	Leevi Rönkkö	Caching is vulnerable: Modern threats facing CDN Edge Servers	Ristov Riste
15:30-15:50	Doan Tuan Dat	Microservices - Advantages and weaknesses in industry	Aaron Campbell
15:50-16:10	Sigurðsson Ingi Þór	Heimbjartur: Testing network policies with eBPF	René Steeman
<b>Break</b>			
16:40-17:00	Ilmari Tarpila	Where is the Beef? The Optimal Selection of Training Data	Max Ulfves
17:00-17:30	Jaakko Perttula	Prospects of WebAssembly to address performance and energy challenges of mobile clients	Harry Pham
17:30-17:50	Jere Hirviniemi	Adversarial perturbation attacks on CNNs	Hernandez Gutierrez Sergio
17:50-18:10	Zehui Xu	Testing network policies with eBPF (custom topic)	Impiö Jussi Ilari
18:10-18:30	Joel Jutila		No opponent