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L I E T U V A



USING ARTIFICIAL INTELLIGENCE (AI) SOLUTIONS FOR CURRENT AND FUTURE DEFENCE

Date: 18 September 2024 **Location:** Mykolas Romeris University

CONFERENCE PROGRAMME

08:30 - 09:00	Registration and coffee
09:00 - 09:10	Opening of the conference and welcome address Rasa Petrauskienė , Member of the Seimas of the Republic of Lithuania, Chair of the Working Group on Artificial Intelligence (AI) of the Committee for the Future
09:10 - 09:20	Rima Malakauskiene , Security Advisor to the President of the Republic of Lithuania
09:20 - 09:30	Dr. Eglė Malinauskienė , Vice-Rector of Mykolas Romeris University
09:30 - 09:45	Keynote: AI Transformation in defence strategies: present and future Monika Koroliovienė , Deputy Minister of National Defence of the Republic of Lithuania
09:45 - 10:45	Session 1: Advanced AI solutions in future defence systems
09:45 - 10:00	AI as a support tool in rapidly evolving crises (Military Conflicts) Vincas Jurgutis , Senior Adviser, Lithuanian Defence and Security Industry Association (LGSPA)
10:00 - 10:15	The role of AI for Geo-capability Building in National Defence Alfredas Gudauskas , Hnit-Baltic Geospatial Expert in Defence, retired Major of the Lithuanian Armed Forces
10:15 - 10:30	Next generation autonomous systems and their integration into defence systems Darius Antanaitis , military expert, retired Major of the Lithuanian Armed Forces
10:30 - 10:45	The role of AI in cybersecurity: proactive approaches and future challenges Daiva Tamulionienė , Head of the Infrastructure Administration Division, IT Department, National Cyber Security Centre
10:45 - 11:00	Coffee break
11:00 - 12:00	Session 2: Financing, investment, ethical and legal aspects of defence AI solutions
11:00 - 11:15	NATO Innovation Fund (NIF) and other funding opportunities for modern defence technologies

Inga Beiliūnienė, Member of the Board of Investment and Business Guaranteed, Head of Business Development Service, Representative of the NATO Innovation Fund (NIF) for Lithuania

11:15 - 11:30 Development and integration of AI technologies in defence: experience and perspectives from Ukraine

Oleksandr Bornyakov, Deputy Minister of Digital Transformation of Ukraine on IT Industry Development

11:30 - 11:45 Legal framework for AI solutions in defence: international law perspectives

Prof. Dr. Paulius Pakutinskas, Mykolas Romeris University, Head of the Legal Technology Centre, Institute of Private Law, Law School

11:45 - 12:00 Ethics of AI in Defence Technologies

Peter Bilyk, Technology, Investment and AI Group Juscutum Member of the AI Development Subcommittee of the Ukrainian Ministry of Digital Transformation

12:00 - 12:15

Coffee break

12:15 - 13:00

Session 3: AI in future defence – trends and visions

12:15 - 12:30 Synergies between AI and Quantum technologies in future defence systems

Prof. Dr. Egidijus Anisimovas, Member of the Board of Vilnius University Physics and Association

12:30 - 12:45 AI in the defence industry: innovations and challenges in Novian's R&D Path

Paulius Vaitkevičius, Head of Innovation, Novian Pro

12:45 - 13:00 AI and human symbiosis: current trends, challenges and future opportunities for security

Mantas Skaržinskas, Innovation Manager, Innovation and Technology Service, Centre for Physical Sciences and Technology

13:00 - 14:00

Panel Discussion: AI in Defence 2040: predictions and challenges

Moderator: Darius Jurgelevičius, diplomat, host of the intellectual game "Who and why?" on the Republic of Lithuania TV

Erna Suslavičiūtė, Chairman of the Board of the National Defence Industry Association (NGPA); **Sigutė Stankevičiūtė**, Head of the Innovation Agency ManuFuture Lab, Head of the NATO DIANA Tech to Market Group;

Romualdas Petkevičius, Senior Adviser to the Defence Resources Agency at the Ministry of Defence; **Colonel Raimondas Simuntis**, Director of the Institute of Warfare of the Command of the Training and Doctrine Board of the Lithuanian Armed Forces, **Raimondas Martinavičius**, Adviser to the Innovation Policy Group of the Ministry of Economy and Innovation, **Gediminas Mitkus**, Director of VistaReader

14:00 - 14:10

Closing remarks: Industry's contribution to the deployment of AI (high-tech) solutions in the defence sector: the role of the Defence Committee

Vidmantas Janulevičius, President of the Lithuanian Confederation of Industrialists (LPK)

14:10 - 14:15

Closing of the conference