

19. srpna 2026

Vážení kolegové,

v tomto dokumentu máte přehled nově navržených výzkumných aktivit Organizace pro vědu a technologie NATO, kterých se mohou zúčastnit experti z České republiky.

V tabulce jsou uvedeny i tzv. ET, které byly zahájeny v období 2025/26. Protože je předpoklad, že tato témata budou v roce 2026, případně v roce 2027, navržena k zahájení v některém z jiných formátů, je možné se k nim později připojit.

NATO Science&Technology Organisation není grantová organizace a zapojení do jejích aktivit není žádným způsobem zpoplatněno, ale až na výjimečné případy také nejsou ze strany NATO hrazeny náklady spojené se zapojením do aktivit. NATO STO není grantová organizace.

Ministerstvo obrany, prostřednictvím kontraktu s Vojenským technickým ústavem s. p., ve vybraných případech a v souladu s prioritami obranného výzkumu, může poskytnout podporu na úhradu cestovních nákladů spojených s účastí expertů z akademické sféry v aktivitách NATO STO v roce 2026 a 2027. Žádost o poskytnutí této podpory je potřeba adresovat na národního koordinátora, viz kontakty v zápatí.

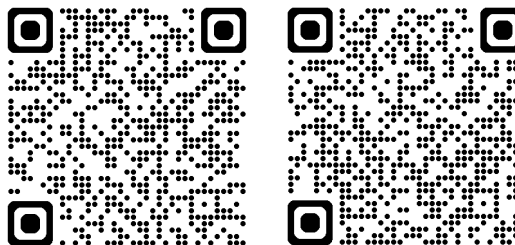
Zapojení se do aktivit NATO STO je vhodné i pro studenty doktorských programů, kteří mají podobná témata svých disertačních prací.

V případě zájmu nebo upřesnění detailů některých aktivit nás můžete kdykoliv kontaktovat viz kontakty v zápatí.

K 1. 7. 2026 proběhla reorganizace Science & Technology Committees. U většiny z nich došlo ke změně zaměření a priorit výzkumu. S tím je spojena i změna názvů Výborů. Jednotlivé Výbory nejsou označovány jako „Panely“, ale Science & Technology Committee (STC), viz informační video v QR.

Význam zkratk:

C5I – Command, Control, Communication, Computing, Cyber and Information
HPM – Human Systems, Performance and Medicine
KIE – Kinetic Effects
NMS – Modeling and Simulation
NKE – Non-Kinetic Effects
PST – Platform Systems and Technologies
SET – Sensing Technologies
SAC – Systems, Analysis and Concepts
TSI – Technology and Science Incubation



Collaborative Program of Work www.sto.nato.int

Vyřizuje: Ing. Pavel Zúna, MSS., Ph.D.

E-mail: pavel.zuna@vtusp.cz

Tel.: +420 601 694 254

Vojenský technický ústav, s.p.
Mladoboleslavská 944, Kbely
197 00 Praha 9

IČ: 24272523, DIČ: CZ 24272523
Zapsán v obchodním rejstříku u MS
Praha, oddíl A, vložka 75859
Datová schránka: 7jckvi2

Tel: 601 694 254
Fax: 284 817 086
E-mail: info@vtusp.cz
www.vtusp.cz



Class – označení utajované klasifikace¹

NU – NATO Unclassified

UU – NATO Public Release

NR – NATO Restricted (bezpečnostní prověrka je vyžadována)

NC – NATO Confidential (bezpečnostní prověrka je vyžadována)

NS – NATO Secret (bezpečnostní prověrka je vyžadována)

Typy aktivit:

RTG – Research Task Group

RSM – Research Specialist Meeting

RLS – Research Lecture Series

RWS – Research Workshop

RTC – Research Technical Course

ET – Exploratory Team (přípravné jednání před vlastní aktivitou s cílem stanovit cíle, obsah a záměr realizace aktivity)

ST – Specialist Team

¹ U aktivit klasifikovaných NR, NC a NS jsou bližší informace poskytovány pouze organizacím, které mají příslušnou bezpečnostní prověrku

Návrhy nových aktivit Organizace pro vědu a technologie NATO
Jaro 2026

Panel	Number	Type	Class	Title	Starts
C5I	IST-253	ST	NU	NATO Intellectual Property (IP) Framework for Standardization, Innovation and Science & Technology	01.09.2026
C5I	IST-250	ST	NS	Communications Electronic Protection Measures	01.09.2026
C5I	IST-251	ST	UU	Certification of Autonomous Systems	01.09.2026
C5I	IST-246	ST	NU	Assessing L16 and the future of digital interoperability	16.06.2026
C5I	IST-252	RTG	UU	Messaging Layer Security Workshop	01.09.2026
C5I	IST-255	RTG	NU	A Framework for Collaborating (and) Agentic AI in Coalition Operations	01.09.2026
C5I	IST-257	RTG	NS	Understanding Hostile States' Internal Information Environment and Control: Data Collection, Indicators, and Measurement	01.09.2026
C5I	IST-256	RTG	NR	Continuous key agreement in NATO networks	01.09.2026
C5I	IST-SET-249	RTG	NU	Resilience and recovery from non-kinetic attacks on autonomous UAS/UGS	01.09.2026
C5I	IST-SET-248	RTG	NU	Multi-Domain Deception	01.09.2026
C5I	IST-243	RTG	NU	Next Generation Communication Networks (NGCN)	26.05.2026
C5I	IST-242	RTG	NU	Federated use of Network Management and Cyber Defence (NMCD) with Data Centric Security (DCS) integration	18.05.2026
C5I	IST-235	RTG	UU	Explainable AI in defence and security context	04.05.2026
C5I	IST-236	RTG	UU	Visual Analytics for Human-Centered AI	14.04.2026
C5I	IST-245	RTG	NU	Agentic Generative Artificial Intelligence for Cybersecurity in Coalition Networks	11.03.2026
C5I	IST-239	RSY	UU	2027 International Conference on Military Communication and Information Systems (ICMCIS)	08.07.2026
C5I	IST-254	RSM	NU	Military Applications of Generative and Agentic AI 2027	01.09.2026
C5I	IST-241	RSM	NU	Identifying and addressing AI vulnerabilities for Military applications: methodologies and lessons learned for trustworthy AI	02.03.2026
C5I	IST-ET-139	ET	NU	AI-based Cyber Security for Software Defined Defence	02.11.2026

Panel	Number	Type	Class	Title	Starts
C5I	IST-ET-140	ET	NU	Recognizing Adversarial Plans and Activities in Coalition Warfare	01.09.2026
C5I	IST-ET-141	ET	NU	Rules of Engagement in AI-Powered Military Systems	01.09.2026
C5I	IST-SET-ET-136	ET	NU	Landscape of Future Computing for Defence	27.07.2026
C5I	IST-ET-137	ET	NU	Risk-Opportunity Frameworks for Military AI Systems	27.05.2026
C5I	IST-ET-138	ET	NU	Resilience and recovery from non-kinetic attacks on battlefield systems and civil critical infrastructure	16.03.2026
HPM	HFM-ST-243	ST	NU	Medical Research Priorities across NATO nations	01.09.2026
HPM	HFM-444	RTG	NU	Ionizing Radiation Bioeffects and Countermeasures	01.10.2026
HPM	HFM-441	RTG	NU	Enablement of research-based guidelines to mitigate brain health risks from military occupational blast exposure	30.06.2026
HPM	HFM-443	RTG	NU	Aircrew protection and performance during exposures to complex noise	23.06.2026
HPM	HFM-433	RTG	NU	Medical Support to the Space Domain	23.06.2026
HPM	HFM-429	RTG	NU	Aerospace Ophthalmology	21.05.2026
HPM	HFM-405	RTG	UU	Optimising Menstrual Health in Servicewomen	27.04.2026
HPM	HFM-421	RTG	NU	Human Performance Sense & Respond Biotechnologies	14.04.2026
HPM	HFM-434	RTG	NU	C2 Capability Lifecycle Governance – the next generation	01.04.2026
HPM	HFM-437	RTG	NU	Aircrew Human Performance Optimization	01.04.2026
HPM	HFM-401	RTG	NU	Optimizing Combat Casualty Care for Extreme Cold Weather Operations	26.03.2026
HPM	HFM-411	RTG	UU	Advanced Tourniquet techniques	09.03.2026
HPM	HFM-445	RTC	NU	Aurora Borealis - Aerospace Medicine in the Skies of the North (RAMS 2027)	01.09.2026
HPM	HFM-SET-450	RSY	UU	Science & Technology for Force Resilience	01.09.2026
HPM	HFM-TSI-427	RSM	NU	International Military Microbiome Meeting (iM3)	01.09.2026
HPM	HFM-ET-241	ET	NU	Military Women's Health Research Performance Optimization	30.06.2026
HPM	HFM-ET-240	ET	NU	Methods, tools and techniques for understanding Defence organizations' future skills demand	01.06.2026
HPM	HFM-MSG-ET-238	ET	NU	Overcoming Barriers to Implementing Training Technologies in Military Contexts	20.03.2026

Panel	Number	Type	Class	Title	Starts
HPM	HFM-ET-236	ET	NU	Meta-Analysis of NATO's Military Headquarters Culture and Climate Surveys	19.03.2026
HPM	HFM-SAS-242	ET	NU	Civil Resilience as Capability Enhancement Across the Alliance	17.03.2026
KIE	AVT-449	RTG	NS	Time Critical Strike – a Tradeoff for Available and Future Systems	01.01.2027
KIE	AVT-ET-263	ET	NU	Emergent contaminants from munitions: PFAS, Insensitive explosives, Perchlorates	01.10.2026
NKE	SCI-381	RTG	NS	Countermeasure Concepts and Tactics against Modern ASM IIR Seekers	01.11.2026
NKE	SCI-377	RTG	NS	Countermeasure Concepts against next Generation Anti-Aircraft EO/IR Imaging Seekers	18.05.2026
NKE	SCI-378	RTG	NR	Revolutionizing Coalition Electronic Warfare: Standardizing Rapid Reprogramming and Enhancing Interoperability	01.10.2025
NKE	SCI-SET-ET-077	ET	NS	Air Platform Generic Self-Defence	01.11.2026
NKE	SCI-ET-076	ET	NR	Multispectral Decoys for Land Warfare	01.10.2026
NMS	MSG-244	ST	UU	Modular Artificial Intelligence support for Modelling and Simulation Life Cycle	20.09.2026
NMS	MSG-247	ST	UU	Generative Artificial Intelligence for Modelling and Simulation	01.09.2026
NMS	MSG-241	RTG	UU	Enhanced C2 and Simulation Interoperability for Military Readiness	11.05.2026
NMS	MSG-245	RSY	UU	NATO M&S Annual Symposium 2027	04.01.2027
NMS	MSG-246	RSY	UU	MSG/MSCO Support to International Training & Education Conferences ITEC, I/ITSEC and CA2X2 Forum 2027	01.09.2026
NMS	MSG-ET-058	ET	UU	Modelling and Simulation approaches to support the development of Uncrewed or Autonomous Systems	07.05.2026
PST	AVT-447	RWS	NU	2D Materials for Defense Technology - Potential, Maturity and Challenges	01.01.2027
PST	AVT-436	RTG	NU	Stability & Control and Loads Predictions of NATO Military Vehicles	01.01.2027
PST	AVT-437	RTG	NU	Modeling and Simulation of Shipboard Uncrewed Aircraft Systems (UAS) Launch and Recovery	01.01.2027
PST	AVT-439	RTG	NU	Predicting Hypersonic Boundary-Layer Transition in realistic conditions	01.01.2027
PST	AVT-440	RTG	NU	Active Flow Control and Buffeting Alleviation for Fighter-Type Configurations	01.01.2027

Panel	Number	Type	Class	Title	Starts
PST	AVT-442	RTG	NU	Experiments and Modelling of High-Reynolds Number External and Internal Turbulent Hypersonic Flows	01.01.2027
PST	AVT-443	RTG	NU	Operationalizing additive manufacturing for NATO operations and logistics	01.01.2027
PST	AVT-444	RTG	NU	Life-Cycle Assessment as a Tool for a Sustainable Defense	01.01.2027
PST	AVT-445	RTG	NU	Characterization, Modelling and Experimental Analysis of Ablative Materials for High Temperature Applications	01.01.2027
PST	AVT-450	RTG	NU	Applications of detonation combustion to military propulsion	01.01.2027
PST	AVT-ET-264	ET	NU	Employment of Uncrewed Ground Vehicles for Massed Counter-UAS	01.07.2026
SAC	SAS-223	ST	NU	Profile of an Analyst and SAS-Documentation review	01.09.2026
SAC	SAS-215	RWS	NU	The Future of Manoeuvre Warfare: Challenges to How NATO Intends to Fight and Observations from Ukraine	01.04.2026
SAC	SCI-380	RTG	NU	C-UAS Measures of Effectiveness Assessment by Modelling & Simulation	01.02.2027
SAC	SAS-220	RTG	NU	A Research Roadmap to Determine NATO-wide Gaps and Synergies in the Broader Defence and Technological Industrial Base	01.09.2026
SAC	SAS-221	RTG	UU	Deterring the Emergent Authoritarian Bloc to Safeguard the Rules-Based International Order	01.09.2026
SAC	SAS-HFM-224	RTG	NU	Willingness to Defend as a Dynamic Concept - Civilian and Military Perspectives	01.09.2026
SAC	SAS-225	RTG	UU	Neuro-Symbolic AI-Augmented Capability Gap Analysis and Acquisition Decision Support	01.09.2026
SAC	SAS-SET-217	RTG	NU	Enhancing the strategic utility of NATO's Technology Cards	01.05.2026
SAC	SAS-222	RSY	NU	20th NATO Operations Research and Analysis (OR&A) Conference 2027	01.09.2026
SAC	SAS-226	RLS	UU	NATO STO Summer School: Decision-making for the Future	01.09.2026
SET	SET-367	RTG	NU	Characterization and Mitigation of Optical Turbulence for Slant Path Applications	02.11.2026
SET	SET-368	RTG	NU	ATR Performance for Imaging System Design and Assessment	09.10.2026
SET	SET-369	RTG	NU	Collaborative Multimodal AI Retraining at the Tactical Edge	01.09.2026

Panel	Number	Type	Class	Title	Starts
SET	SET-365	RTG	NU	Ensured PNT in NAVWAR Environments - NATO PNT Open System Architecture & Standards	14.07.2026
SET	SET-360	RTG	NU	Autonomous, Environmentally Adaptive ISR Sensing in Highly Complex Environments using Homogeneous, Heterogeneous, and Multi-Modal Networks of Acoustic, Seismic, and EO/EM/RF Nodes	01.06.2026
SET	SET-364	RTG	NU	The inter-dependence of background, scene, and observation for sensor simulation in arctic and sub-arctic environments	05.05.2026
SET	SET-363	RTG	NU	Researching Novel Techniques for Nuclear Disarmament Verification	08.04.2026
SET	SET-ET-149	ET	NS	The effect of threat developments on the measurement and prediction of the radar signature of maritime platforms	22.09.2026
SET	SET-ET-150	ET	NU	Augmented/Extended reality (AR/XR) technologies for enhanced soldier situational awareness (SA)	01.09.2026
SET	SET-ET-148	ET	NU	Active Stand-off Multispectral Characterization of Chemical Aerosols	01.09.2026
SET	SET-ET-146	ET	NU	The Effects of Large-Scale Wind Farms on Radar Systems	01.09.2026
SET	SET-HFM-AVT-ET-144	ET	NU	Autonomy and Robotics for CBRN Sensing	03.06.2026
TSI	TSI-HFM-AVT-011	ST	NU	Military Use Cases in Non-Medical Biotechnology	01.08.2026
TSI	TSI-IST-012	RWS	NU	Security Vulnerabilities of Quantum Technologies for Defense: Analysis, Modelling and Red/Blue Teaming Approaches	01.09.2026
TSI	TSI-014	RTG	NU	Strengthening Bioliteracy Through Responsible Use of Non-Medical Biotechnology	01.09.2026
TSI	TSI-015	RTG	NU	Quantum Space Use Cases	01.09.2026
TSI	TSI-016	RTG	NU	Alliance Quantum Standards Roadmap	01.09.2026
TSI	TSI-AVT-004	RSY	NU	The Third Symposium on Quantum Technology for Defence And Security	01.01.2027
TSI	TSI-013	RSM	UU	Non-Medical Biotechnology: Awareness, Responsibility, and Readiness in Defence	01.09.2026