

PROGRAMME TMAF 2024

Time schedule

[Detailed programme](#)

Monday, 5th May 2025

18:00	Ice Breaker	Officers Club MilAk
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Tuesday, 6th May 2025

09:00	Welcome & Opening	Sparkassensaal Neunkirchner Straße 17, 2700 Wiener Neustadt
	National anthem	
	Welcome address	COL [GS] Dr. Markus Reisner [AUT] Theresan Military Academy, Programme Director & Head of Institute for Basic Officer Education.
	Musical piece	
		Dr. Michael König [AUT] Head of the University of Applied Military Sciences Board.
10:30	Morning Coffee Break	
11:00	<u>The WarTech Nexus - Are military structures fit enough?</u>	COL Bernhard Schulyok [AUT] National Director of the multinational platform Military Capability Development Campaign [MCDC], Austrian Federal Ministry of Defence.

	<u>...not enough.</u>	Dr. Lukas Grangl & Dr. Markus Gruber [AUT] Military Experts in the Reserve of the Austrian Armed Forces.
	<u>A Study on the Relationship between Automation Levels and Combat Effectiveness.</u>	COL Insoo Kim [KOR] Professor of Sociology, Korea Military Academy [KMA]. LTC Kieun Sung [KOR] Professor of Political Science, Korea Military Academy. CDT Yeeun Hwang [KOR] Korea Military Academy.
	<u>Industrialising the future of autonomous warfare - The key role of additive and advanced manufacturing in realizing a low-cost warfare.</u>	Dr. Wolfgang Müller [GER] Resident Fellow German Institute for Defense and Strategic Studies [GIDS]. Sergej Sumlenny [GER] United Unmanned Systems LLC.
	Discussion & Reflection	
12:30	Lunchbreak	
14:30	<u>Autonomous Weapons and Soldier Morale: Historical Lessons, Contemporary Challenges, and Future Implications.</u>	André Berntsen MPhil [NOR], Swiss Military Academy at ETH Zurich.
	<u>Innovative technologies in the development of explosives and pyrotechnics for modern warfare.</u>	CDT Doris Dasovi? [CRO] Croatian Defence Academy.
	Discussion & Reflection	
15:30	Afternoon Coffee Break	
16:00	<u>Trends and Practical Applications of Energy Storage Solutions in the Military.</u>	Assoc. Prof. Dr. Gintaras Labutis [LTU] Military Academy of Lithuania.

	<u>Enhancing battlefield observation with imitation learning and digital twin-based model training.</u>	Michail Kefalakis [GRC] PhD Candidate in the Hellenic Army Academy.
	Discussion & Reflection	
from 18:00	Dinner and afterwards Group guided tour through the exhibition "From the Imperial Residence to the Home of the Officers" and Come together in the Officers Club of Theresan Military Academy.	

Wednesday. 7th May 2025

09:00	<u>Beyond the Horizon: Training Minds and Systems for Tomorrow's Conflicts.</u>	CPT [GS] Johannes Ginhör [AUT] Theresan Military Academy. MAJ [GS] Markus Schmid [AUT] Austrian Federal Ministry of Defence.
	<u>The impact of Artificial Intelligence on the Military Decision-Making Process [MDMP] and Mission Command [MC]: A Comprehensive Approach.</u>	LTC [GS] Patrick Hofstetter PhD [SUI] Swiss Military Academy at ETH Zurich.
	<u>Perspectives on AI Security in Defense-critical Contexts.</u>	Assoc. Prof. Clemens Kerschbaum, PhD [AUT] New Design University St. Pölten. Raphael Dachs [AUT] AI & AI strategy consultant, Argus AI.
	Discussion & Reflection	
10:30	Morning Coffe Break	
11:00	<u>From an Engineering Perspective: Small Drones</u>	CPT Kevin Tebbe [GER] Universitv of the Federal

	<u>affecting the Course of Warfare.</u>	Armed Forces Hamburg.
	<u>Countering High-Altitude Platforms: Defending Against a New Generation of Aerial Threats.</u>	Assistent Prof. Miha ?lebir, PhD [SVN] University of Ljubljana. Prof. Janja Vuga Ber?nak, PhD [SVN] University of Ljubljana.
	<u>Resilience and agility: Supply chain requirements in military operations.</u>	MAJ Ana-Maria Merlusca [ROU] Superior Instructor & PhD candidate, "Carol I" National Defence University Bucharest.
	<u>1+1 ? 2: Digital Friction, Uncertainty, and the Limits of Technological Determinism.</u>	CPT Alexander Schaebler [GER] Youth Information Officer, German Armed Forces.
	Discussion & Reflection	
12:30	Lunchbreak	
14:30	<u>Autonomy, Innovation and Leadership: The Future of Maritime Interations in the Age of AI.</u>	CDT Marco Francavilla [ITA] Italian Naval Academy in Livorno. CDT James Filippo Armstrong [ITA] Italian Naval Academy.
	<u>The usage of state-of-the-art simulators in formation of the future navy officers.</u>	Assoc. Prof. Ovidiu Cristea, PhD [ROU] Head of Naval Tactics and Armaments Department, Romanian Naval Academy.
	Discussion & Reflection	

15:30	Afternoon Coffee Break	
16:00	<u>Wartech Nexus - The ultimate Human-Machine Fusion?</u>	COL Bernhard Schulyok [AUT] National Director of the multinational platform Military Capability Development Campaign [MCDC], Austrian Federal Ministry of Defence. Katharina-Franziska Zeman [AUT] Executive Assistant in Insurance.
	<u>AI in the Line of Fire: Rethinking Ethics in the Face of Tactical Nuclear Threats.</u>	COL Jill Long [USA] University of the Federal Armed Forces Hamburg. CPT Tamsyn Karlotta Garinet [GER] University of the Federal Armed Forces Hamburg. CPT Severin Pleyer [GER] University of the Federal Armed Forces Hamburg.
	<u>Moral Warfare Through Lethal Autonomous Weapons Systems? Ethical Challenges.</u>	Lisa Maren Tragbar [GER] Lecturer & PhD Candidate University of Vienna. Preet Ghuman [AUT] BA Studies in Philosophy and Law at the University of Vienna.
19:00	TMAF - Dinner	Award ceremony for the best presentation Farewell Alt-Neustadt Hall

Thursday. 8th May 2025

from
09:00

Cultural excursion to the federal capital
Vienna.

Museum of Military History & Historic
city centre

Friday, 9th May 2025

Departure