



Programme TMAF 2025

Monday, 05.05.2025

from

18:00 Ice Breaker
Officers Club

Tuesday, 06.05.2025

09:00 Welcome & Opening

National anthem

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.

Musical piece

10:30 Morning Coffee Break

11:00 The WarTech Nexus - Are military structures fit enough?

COL Bernhard Schulyok (AUT), National Director of the multinational platform Military Capability Development Campaign (MCDC), Austrian Federal Ministry of Defence.

Dr. Lukas Grangl & Dr. Markus Gruber (AUT), Military Experts in the Reserve of the Austrian Armed Forces.

A Study on the Relationship between Automation Levels and Combat Effectiveness.

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.

Industrialising the future of autonomous warfare - The key role of additive and advanced manufacturing in realizing a low-cost warfare.

Dr. Wolfgang Müller (GER), Resident Fellow German Institute for Defense and Strategic Studies (GIDS).

Sergej Sumlenny (GER), United Ummanned Systems LLC.

Autonomous Weapons and Soldier Morale: Historical Lessons, Contemporary Challenges, and Future Implications.

André Berntsen MA (NOR), Swiss Military Academy at ETH Zurich.

Discussion & Reflection

12:30 Lunchbreak

14:30 Nanotechnologies in Autonomous Warfare: Redefining Power, Precision and Strategy.

Dr. Mikk Antsov (EST), Department of Applied Research, Estonian Military Academy.

Innovative technologies in the development of explosives and pyrotechnics for modern warfare.

CDT Doris Dasović (CRO), Croatian Defence Academy.

Discussion & Reflection

15:30 Afternoon Coffee Break

16:00 Trends and Practical Applications of Energy Storage Solutions in the Military.

Assoc. Prof. Dr. Gintaras Labutis (LTU), Military Academy of Lithuania.

Enhancing battlefield observation with imitation learning and digital twin-based model training.

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, 07.05.2025

09:00 Beyond the Horizon: Training Minds and Systems for Tomorrow's Conflicts.

CPT (GS) Johannes Ginhör (AUT), Theresan Military Academy.

MAJ (GS) Markus Schmid (AUT), Austrian Federal Ministry of Defence.

The impact of Artificial Intelligence on the Military Decision-Making Process (MDMP) and Mission Command (MC): A Comprehensive Approach.

LTC (GS) Patrick Hofstetter PhD (SUI), Swiss Military Academy at ETH Zurich.

Perspectives on AI Security in Defense-critical Contexts.

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 Coffee Break

11:00 From an Engineering Perspective: Small Drones affecting the Course of Warfare.

CPT Kevin Tebbe (GER), University of the Federal Armed Forces Hamburg.

Countering High-Altitude Platforms: Defending Against a New Generation of Aerial Threats.

Assistant Prof. Miha Šlebir, PhD (SVN), University of Ljubljana.

Prof. Janja Vuga Beršnak, PhD (SVN), University of Ljubljana.

Resilience and agility: Supply chain requirements in military operations.

MAJ Ana-Maria Merlusca (ROU), Superior Instructor & PhD candidate, "Carol I" National Defence University Bucharest.

1+1 ≠ 2: Digital Friction, Uncertainty, and the Limits of Technological Determinism.

CPT Alexander Schaebler (GER), Youth Information Officer, German Armed Forces.

Discussion & Reflection

12:30 Lunchbreak

14:30 **Autonomy, Innovation and Leadership: The Future of Maritime Interactions in the Age of AI.**

CDT Marco Francavilla (ITA), Italian Naval Academy in Livorno.

CDT James Filippo Armstrong (ITA), Italian Naval Academy.

The usage of state-of-the-art simulators in formation of the future navy officers.

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 **Wartech Nexus - The ultimate Human-Machine Fusion?**

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.

AI in the Line of Fire: Rethinking Ethics in the Face of Tactical Nuclear Threats.

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.

Moral Warfare Through Lethal Autonomous Weapons Systems? Ethical Challenges.

Lisa Maren Tragbar (GER), Lecturer & PhD Candidate University of Vienna.

Preet Ghuman (AUT), BA Studies in Philosophy and Law at the University of Vienna.

Discussion & Reflection

19:00 TMAF dinner

Award ceremony for the best presentation

Farewell

Alt-Neustadt Hall

Thursday, 08.05.2025

from

09:00 **Cultural excursion to the federal capital Vienna.**

Museum of Military History & Historic city centre

Friday, 09.05.2025

Departure