

3rd IAMD COE ANNUAL CONFERENCE 19-20 June 2024
Agenda

19 June 24

TIME (EEST)	TOPIC	SPEAKER
08:30-09:00	Registration – in processing	
09:00-09:10	Admin – Security Brief	NMIOTC admin affairs personnel
09:10-09:30	Host Nation Welcome Address	TBD
09:30-09:50	IAMD COE Welcome Address & Centre presentation	Brig. General Nikolaos MAKRYGIANNIS GR (AF) IAMD CoE Director
09:50-10:10	Keynote Speaker US Army IAMD: Integrated Fires	Col Christopher HILL US (A) Project Manager Integrated Fires Mission Command (IFMC) Program Executive Office - Missiles and Space (PEO-MS) US Army
10:10-10:30	Group Photo	
10:30-10:50	Coffee Break - Networking	
10:50-12:00	SESSION#1: The current Geostrategic situation and how it affects the evolution of NATO IAMD	Moderator: Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
10:50-11:10	How the growing strategic partnership between Russia and China is undermining the Alliance's eastward movement into the Asia-Pacific region?	PhD Charalampos PAPASOTIRIOU Professor of International Relations Panteion University Member of the Board of Directors of Institute of International Relations (IDIS)
11:10-11:30	What could be the roadmap of the necessary actions needed to act proactively and to help gradually master the art of dynamic escalation so that the Alliance can gain the operational advantage in the internationally precarious environment?	PhD Konstantinos IFANTIS Professor of International Relations Panteion University
11:30-11:50	The discovery and management of rare earths and their influence on the development of technology to support IAMD Operations.	Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
11:50-12:00	Q/A PANEL#1:	PhD PAPASOTIRIOU, PhD IFANTIS, Mr. MUNDAY
12:00-13:30	Lunch Break	

13:30-15:00	SESSION#2 (part 1): Challenges in Current & Future Operational Environment Arena	Moderator: Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
13:30-13:50	The roadmap needed for the transformation and transition to a Multi Domain Operations (MDO) enabled Alliance. What Innovation, Experimentation and Wargaming do we need?	Brig. Gen (Ret.) Mr. Donald FRYC NORTHROP GRUMMAN Mr. Wade MIZE NORTHROP GRUMMAN Chief Engineer
13:50-14:10	Strengthening the Alliance Cyber Defence capabilities to protect IAMD in Current & Future Operational Arena.	Cpt (Ret.) Mr. Sozon A. LEVENTOPOULOS Former IAMD CoE SME ZONOS – SYSTEMS Managing Director
14:10-14:30	The Lessons Identified and Lessons Learned from the Conflict in Ukraine under an IAMD point of view.	PhD Viktoriya FEDORCHAK Lecturer in War Studies Air Operations Division Swedish Defence University
14:30-14:50	Aerial Kill Web: Distributed Drone Operations supported by Netted Drone Sensors, Mesh Drone Networks and Cluster Drone Effects	Maj L. Ashley EBERHART US (AF) Director of Operations, USAF Combat Training School
14:50-15:00	Q/A PANEL#2 (part 1):	Mr. Donald FRYC, Mr. MIZE, Maj EBERHART, Mr. LEVENTOPOULOS, PhD Viktoriya FEDORCHAK
15:00-15:20	Coffee Break - Networking	
15:20-16:50	SESSION#2 (part 2): Challenges in Current & Future Operational Environment Arena	Moderator: Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
15:20-15:40	Biomimeticism and Unmanned Systems	PhD Dimitrios TSAKIRIS Foundation for Research and Technology - Hellas (FORTH), Institute of Computer Science (ICS)
15:40-16:00	Emerging Capabilities for small Tactical UCAVs and Loitering Munitions.	Mr. Brig. Gen (Ret.) Mr. Fotios KAMPIOTIS Spirit World Group
16:00-16:20	Class I C-UAS from the HQ NATO Perspective	Mr. Sean BITTICK NATO HQ C-UAS WG Secretary
16:20-16:40	Consideration of the threat from CLASS I UAS and tactics to intercept them”.	Mr. Iain THOMSON Civ UK JCO Mr. Blake STONE Civ US NATO HQ National Delegation (US JCO)
16:40-16:50	Q/A PANEL#2 (part 2):	PhD TSAKIRIS, Mr. KAMPIOTIS, Mr. BITTICK, Mr. STONE, Mr. THOMSON
16:50-17:00	Wrap Up	Moderator: Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
END OF FIRST DAY		
20:00-22:30	SOCIAL EVENT	

20 June 24

TIME (EEST)	TOPIC	SPEAKER
08:30-09:00	Coffee - Networking	
09:00-09:20	KEYNOTE Challenges in the current and future Arenas operational environment and steps needed to maintain a reliable Integrated Air and Missile Defence (IAMD)	Col Stuart HAY GB (A) Commander of 7 th Air Defence Group British Army
09:20-10:30	SESSION#2 (part 3): Challenges in Current & Future Operational Environment Arena (IAMD CoE Projects-Studies)	Moderator: Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
09:20-09:40	Analysis of the related Physical Phenomena and Aerodynamic Performance of Hypersonic Vehicle(s) and possible ways of exploiting those data in order to improve Surveillance Capabilities.	PhD Ioannis NIKOLOS, Director of the Turbomachines & Fluid Dynamics Laboratory School of Production Engineering & Management, Technical University of Crete (TUC) Mr. Angelos KLOTHAKIS P.h.D Candidate in TUC
09:40-10:00	Laminar or Turbulent? A critical assessment of the physics of endoatmospheric hypersonic flight.	PhD Vassilios THEOFILIS, Faculty of Aeronautics and Space Engineering Technion – Israel Institute of Technology
10:00-10:20	Comparative Analysis of System Architectures for Passive Radars in Drone Detection – The AIRE5G Project	PhD George TZAGKARAKIS Foundation for Research and Technology - Hellas (FORTH), Institute of Computer Science (ICS), Signal Processing Laboratory (SPL)
10:20-10:30	Q/A PANEL#2 (part 3):	PhD NIKOLOS, Mr. KLOTHAKIS, PhD THEOFILIS, PhD TSAGKARAKIS
10:30-10:50	Coffee Break - Networking	
10:50-12:20	SESSION#3: Strategies for Operational Advantage in IAMD	Moderator: Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
10:50-11:10	Discussing the Ethical and Legal implications of IAMD technologies and strategies. How can we implement the preemptive offensive option in support of IAMD operations?	Dr. Sidharth KAUSHAL Research Fellow, Sea Power Military Sciences Royal United Services Institute (RUSI)
11:10-11:30	From National Needs to Collective Strength: How the EDA Delivers UAS Solutions for European Defence that are also aligned with NATO.	Dr. Joao CAETANO Project Officer on UAS Programmes European Defence Agency
11:30-11:50	EU's views and current efforts regarding access to and protection of the airspace.	Lt. Col Arturo ARRIBAS SANTIAGO ESP (AF) European Union Military Staff (EUMS)

11:50-12:10	How can we create the mindset and the means for military capabilities to synchronize across domains to achieve the operational advantage”?	Lt. Col. (Ret.) Mrs. Wendi O. BROWN US Army Reserve, Wargame Planner for the U.S. Cyber Command
12:10-12:20	Q/A PANEL#3: Dr. KAUSHAL, Dr. CAETANO, Lt. Col SANTIAGO, Mrs. BROWN	
12:20-13:50	Lunch Break	
13:50-15:50	SESSION#4: Advanced Technologies in IAMD	Moderator: Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
13:50-14:10	The Fundamental Concepts of Modelling and Simulation in Counter-UAS.	Lt Col Josef CASAR, Deputy Head of Air Defence Department, Czech University of Defence, Brno, Czech Republic
14:10-14:30	Automating Geographic Content; Underpinning IAMD decisions with AI and Data Fusion.	Mr. Richard GOODMAN EMEA Defence Lead Government, Transportation & Defence Safety, Infrastructure & Geospatial division HEXAGON
14:30-14:50	Interoperability and Integration: Multi-Mission Battery (MMB): Providing Enhanced Interoperability for the Composite Task Force.	Mr. Strauss WILL RAYTHEON Technology Director for the Short and Medium Range Ground Based Air Defense (SMGBAD)
14:50-15:10	NSPA Modular Ground-Based Air Defence High Visibility Project	Mr. Emmanuel D’ALMEIDA Modular GBAD Principal Project Officer
15:10-15:20	Q/A PANEL#4: Lt Col CASAR, Mr. GOODMAN, Mr. WILL, Mr. D’ALMEIDA	
15:20-15:40	Coffee Break - Networking	
15:40-15:50	Wrap Up	Moderator: Wg Cdr (Ret.) Mr. Rob MUNDAY NIAG SG-288 & 290 Rapporteur
15:50-16:00	Farewell	Brig. General Nikolaos MAKRYGIANNIS GR (AF) IAMD CoE Director
END OF CONFERENCE		