

Tuesday, May 13th, 2025

08:00

REGISTRATION & WELCOME

PLENARY ROOM

09:00

OPENING PLENARY SESSION

Bruno BERTHET, 3AF President

Yannick DEVOUASSOUX, ArianeGroup - Luc DINI, Thales Group - Pierre ROTY, MBDA

PLENARY ROUND TABLES

09:30

GOVERNMENTS VIEWS 1: POLICY

Moderator : Luc DINI

10:30

COFFEE BREAK

11:00

GOVERNMENTS VIEWS 2 : PROGRAMS

Moderator : Yannick DEVOUASSOUX

12:00

NETWORKING LUNCH

14:00

GOVERNMENTS VIEWS 3 : PROGRAMS

Moderator: Pierre ROTY

15:00

COFFEE BREAK

15:30

INDUSTRIALS VIEWS 1

16:30

INTERSESSION (10')

16:40

INDUSTRIALS VIEWS 2

17:40

End of Sessions

19:30

GALA DINNER : POLIS CONVENTION CENTER

08:30 REGISTRATION & WELCOME

PLENARY ROOM

09:00 KEYNOTE SPEECH

09:30 INTERSESSION (10')

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 1	SESSION 2	SESSION 3	SESSION 4
	International & European Policy and Cooperation (including NATO, BMD, NATO IAMD, EU and others)	Defence Architectures & Integration of Air and Missile Defence - 1	Command and Control - C2, combat cloud - 1	Sensor systems & Sensor networks, including Space - 1
09:40	61 NATO IAMD: from Vilnius and Washington to the Hague Jacques LASRI, NATO	86 Thales approach to countering Hypersonic Operational Threats Nico DE BRUIJN, Thales	6 ONERA DIAMOND MODULE : a full sccess during Paris Olympic Games 2024 Laurent BARRILLIET, ONERA	23 Smart Gating for Sensor Tracking of Complex Threats Eduard BOSCH, TNO
10:00		82 Integrated Air Missile Defence for Hypersonic Threats Antonella DE BELLIS, MBDA ITALY	24 Commanding the Skies: Ensuring Readiness on NATO's Eastern Flank Gerd BROSZEIT, Airbus Defence & Space GmbH	27 Gap Filler radars – Critical elements for maintaining crucial Sky Picture Situational awareness and effective IAMD in the new era Guy AVITSUR, DRS RADA TECHNOLOGIES
10:20	20 The benefits of Ensemble Operator Test approach Unclassified lessons identified in BMD Daniele SANNA, Leonardo	45 Defense Against Hypersonic Weapons – The Time Dimension Alik HERMETZ, Wales Ltd	25 Operational and planning implications of HGV TDL reporting Peter BERGHUIS, TNO	41 High accuracy tracking, target seperation and discrimination for IAMD/BMD using dual frequency CW/FMCW Radar Peder PEDERSEN, Weibel Scientific

10:40 COFFEE BREAK

	SESSION 5	SESSION 6	SESSION 7	SESSION 8
	International & European Policy and Cooperation (including NATO, BMD, NATO IAMD, EU and others) -2	Defence Architectures & Integration of Air and Missile Defence - 2	Command and Control - C2, combat cloud - 2	Sensor systems & Sensor networks, including Space - 2
11:10	30 European Integrated Sensors Network (EISNET) Ignacio MONTIEL SANCHEZ, European Commission Luc DINI, Thales LAS	33 Beyond the Battlefield: Multi-Domain Operations and Integrated Air and Missile Defense Eili BEHAR, IAI	29 Cognitive Continuum: A study of Knowledge exchange and Shared Mental Model for Airborne-GBAD Delegation in Air Defense. Damien MARION, THALES	62 Advancements in European space-based missile early warning programme ODIN'S EYE. Carsten BOROWY, OHB System AG
11:30	97 EISNET: A European perspective on network-based Air Defence Lorraine BRISACIER-PORCHON, Thales	40 Debris - Multi Tier Effects Dror COHEN, Wales Ltd	34 Mission Planning & Optimization System for Multi-Layer Air Defense Dov PEARL, Omnisys Ltd.	22 Intercomparison of AI and statistical methods for detection from earth looking space based missile early warning sensors Nicolas JEANNIN, Airbus
11:50	21 A Journey from BMD Communications Architecture to IAMD Communications Architecture in an International Cooperation Environment: Looking to Horizon from BMD Perspective Engin TOKTAS, LEIDOS	51 Mutilayered Missile Defence - Why and How Arieh HERZOG, WALES	35 The integration of warfighters operations and skills into the engineering design of Active Defense Systems Avraham NAVOT, Elbit Systems	14 OSINT : an affordable approach to prediction and detection Early Warning systems Arnaud DUPUIS, ARIANEGROUP

12:20 NETWORKING LUNCH

PLENARY ROOM

14:00

PLENARY SESSION - ROUND TABLE

15:00

INTERSESSION (10')

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 9	SESSION 10	SESSION 11	SESSION 12
	Air & Missile Threat : ballistic, hypersonic, cruise, UAS, RAM... -1	Defence Architectures & Integration of Air and Missile Defence - 3	Command and Control - C2, combat cloud - 3	Sensor systems & Sensor networks, including Space - 3
15:10	56 An upper limit to RCS reduction due to plasma surrounding a hypersonic vehicle Salomon AREND, TNO	57 Key features in advance BMD systems Alon KAHANA, IAI	36 Adapting Critical Methods from Air Warfare Arena to the Missile Defense World (Real-Time Debriefing) Avraham NAVOT, Elbit Systems	74 Dynamic engagement against air and missiles threats Luc DINI, Thales LAS France
15:30	38 Potential Approach Maneuvers of Hypersonic Boost Glide Vehicles and Consequences for the Air Defence Georg BAHMEIER, AMDC GmbH	59 Key factors to be considered for Integrated Air & Missile Defense Jean-Marc PAYOT, Naval Group	52 Recent PLDEF developments and experiments, a game changer for IAMD A first step towards an European Naval Collaborative Engagement Capability Frederic LIVERNET, DGA	88 NIAG SG300 Sensors Networking Across IAMD Fire Control Clusters Metin BUGRU, NATO - Luc DINI, Thales LAS
15:50	93 ASBM and their challenges to IAMD architectures Yann KERMAREC, ArianeGroup	39 Some General Observations from Recent Conflicts Dror COHEN, Wales Ltd	83 Combat Cloud, Air Defence multi-domain scenarios Antonella DE BELLIS, MBDA ITALY	71 AI-Enhanced Passive Radar: Leveraging 5G Signal Reflectance for Drone Detection George TZAGKARAKIS, Foundation for Research & Technology

16:10

COFFEE BREAK

PLENARY ROOM

16:30

KEYNOTE SPEECH

17:00

INTERSESSION (10')

	SESSION 13	SESSION 14	SESSION 15	SESSION 16
	Lethality & Limiting the consequences of intercept	SBAMD (Ground and Naval Based Air Missile Defence)	Command and Control - C2, combat cloud - 4	Sensor systems & Sensor networks, including Space - 4
17:10	50 Interception Considerations for Minimum Collateral Damage Ephraim BASHAN, EZB	89 Collaborative Warfare in response to emerging multi-threats François PUNGIER, Naval Group	55 INSPIRE ASP System - Enhancing Airspace Awareness Ran KOREN, Elbit/Elisra	87 Sea Fire, a naval 4D AESA Multi Function Radar Nico DE BRUIJN, Thales
17:30	46 COI and typingbased on remote sensing and semi empirical model Hilla HADDAD, Elie LEVY , Linkcom Telecom	58 Clear and present danger of low cost IAMD threats as seen by Thales Michiel HOMMELS, Thales	80 AI Algorithmic Approaches to accelerate the tempo of Weapon Command & Control (C2) update and optimization Chris BODEN, MBDA UK	79 Sky Surveillance Wearable Thermal Imaging System Loukas ATHANASEKOS, AKMON S.A.
17:50	4 Virtual Hit Assessment – Validation of a simulation model for a hypersonic interceptor through hypervelocity impact experiments Andreas HEINE, Fraunhofer EMI	32 Importance of survivability and interoperability for all GBAD Alain DEUDON, Eurosam	53 Threat Evaluation and Prioritization Using Neurofuzzy Logic Brahim DURU, ASELSAN	

18:10

END OF DAY 2

08:30 REGISTRATION & WELCOME

PLENARY ROOM

09:00 PLENARY SESSION - KEYNOTE SPEECH

09:30 INTERSESSION (10')

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 17	SESSION 18	SESSION 19	SESSION 20
	Modelling and simulation - 1	CRAM, Counter UAV, GBAD & NBAD	Interceptors & Weapons Systems and Technologies - 1	Testing, Targets & Demonstration Programs - 1
09:40	<p>3</p> <p>Assessment of anti-air defense system performance against different types of air threats</p> <p>Dogan YILDIZ, Aselsan</p>	<p>65</p> <p>Lethal effect on distance – Introduction of the Small Anti Drone Missile</p> <p>Andreas HEINEMANN, MBDA</p>	<p>78</p> <p>Sea Viper Evolution A Naval Integrated Air and Missile Defence Capability</p> <p>Jon DAW, MBDA UK</p>	<p>16</p> <p>NATO Missile Firing Installation (NAMFI): A Global Leader in SBAMD Exercises, Missile, Target -Drones and UAS Testing</p> <p>Panagiotis SERMPEZIS, NATO MISSILE FIRING INSTALLATION</p>
10:00	<p>5</p> <p>The Digital Engineering Ecosystem (DEE) and How it is Applied to a Counter Unmanned Aerial Systems (CUAS) Multi-Layered Defensive Architecture</p> <p>Stephen THOMAS, Parsons</p>	<p>66</p> <p>The importance of C-UAS solutions and the need for a layered approach to GBAD</p> <p>Dominik KÖNIG, ESG Elektroniksystem- und Logistik-GmbH</p>	<p>26</p> <p>GKN Fokker Low-Cost Lightweight Missile Airframes and Launch Canisters</p> <p>Mike VAN LANKVELD, GKN Fokker Aerospace B.V.</p>	<p>63</p> <p>Naval Cooperative Surveillance towards European Capability – an important step for IAMD</p> <p>Antoine BOUQUET, Naval Group</p>
10:20	<p>8</p> <p>Anomaly Detection for Weapon Systems using Deep Transformer Networks</p> <p>Woorim OH, Korea Defense Industry</p>	<p>95</p> <p>Lower Tier Air and Missile Defense Sensor (LTAMDS) and Counter Unmanned Aircraft Systems (CUAS) to Enhance Ground Based Air Defenses</p> <p>Stefanie SALINIE, Raytheon</p>	<p>18</p> <p>Dual pulse SAM coast time optimisation</p> <p>Florina SIRGHI, TNO</p>	<p>67</p> <p>Collaborative Combat in PLDEF / E-NACSOS</p> <p>Martien JOOSTEN, Thales Netherlands</p>

10:40 COFFEE BREAK

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 21	SESSION 22	SESSION 23	SESSION 24
	Modelling and simulation - 2	Disruptive approaches	Interceptors & Weapons Systems and Technologies - 2	Testing, Targets & Demonstration Programs - 2
11:10	<p>15</p> <p>Simulating Defended Area Footprints for the Evaluation of Integrated Air & Missile Defense Systems</p> <p>René PETERVARI, Fraunhofer FHR</p>	<p>28</p> <p>Multi-objective Reinforcement Learning for Quality-of-Service Based Resource Allocation</p> <p>Ryan HERCHIG, IERUS Technologies Inc.</p>	<p>31</p> <p>Why is SAMP/T NG a Premium Contributor to IAMD?</p> <p>Alain DEUDON, Eurosam</p>	<p>68</p> <p>Kingfisher and Barracuda: new ballistic targets for a fast evolving world</p> <p>Hein OLTHOF, T-Minus Engineering B.V.</p>
11:30	<p>10</p> <p>Study on design of shape to satisfy range for truncated nose type rocket</p> <p>Jungwon YOON, Korea Defense Industry</p>	<p>60</p> <p>Leveraging Experiential Learning to Better Prepare the Incoming Integrated Air & Missile Defense Workforce</p> <p>Stephen THOMAS, Parsons Corporation</p>	<p>76</p> <p>A Firing Installation in a Naval Platform Service Oriented Architecture</p> <p>Jacques BLANQUART, MBDA France</p>	<p>84</p> <p>Maritime NLD IAMD capability through the perspective of recent exercises</p> <p>Rogier NOORLAND, Thales Nederland B.V.</p>
11:50	<p>47</p> <p>Machine learning for BMD</p> <p>Navot ISRAELI, WALES Ltd.</p>	<p>64</p> <p>Evaluating trustworthiness of Reinforcement Learning agents using safeAI</p> <p>Markus HOSBACH, IABG</p>	<p>11</p> <p>Finless Control for Affordable, Low Collateral Damage Air Defense</p> <p>François BOUQUET, TNO Locatie Den Haag</p>	

12:10 NETWORKING LUNCH

Thursday, May 15th, 2025

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 25	SESSION 26	SESSION 27	SESSION 28
	Modelling and simulation - 3	Directed Energy Weapons	Interceptors & Weapons Systems and Technologies - 3	Space Security & Defence
13:40	48 Remote sensing and semi-empirical model can improve TBM typing in Boost Phase Elie LEVY, Linkcom Telecom	7 LDEW for C-UAV in MBDA's Sky Warden solution Maximilian TAILLANDIER, MBDA	77 MBDA Counter Hypersonic Vision Lionel MAZENQ, MBDA France	43 From Ground to Orbit: Unveiling the Potential of Radar in Space Surveillance Haim AVIRAM, ELTA
14:00	81 On Loads and Aerodynamics Assessment of the Missiles Maciej CICHOCKI, Military Institute of Armament Technology	73 Laser weapons for the armed forces HoWiSM demonstrator and way ahead Wolfgang DE DEN, MBDA Deutschland GmbH Paul JOST, RWM	94 Identifying Potential IAMD Enhancements for Aegis Ashore Roy BALACONIS, balaconis consulting	75 Space Security and Integrated Air and Missile Defence: Bridging Domains for Strategic Resilience Jamie WICKHAM-EADE, Airbus Defence & Space
14:20	91 The Strategic Role of Simulation in Supporting Multidomain Operations Concept Younik THOMAS, ArianeGroup	90 LDEW products and developments at CILAS David SABOURDY, CILAS		92 Defence in Low Earth Orbit, what capabilities ? Nicolas LEFORT, MBDA
14:40	INTERSESSION (10')			
	SESSION 29			
	<p>PLENARY SESSION : ROUNDTABLE Moderator: Uzi RUBIN, Begin Sadat Center for Strategic Studies, IL</p>			
14:50	69 Jamming, decoys, agility: new trends for long-range ammunition survivability Pierre GRASSER, Thales			
15:10	17 Open-source analysis of Houthi MRBMs Ralph SAVELSBURG, Netherlands Ministry of Defence			
15:30	85 Technical Analysis of the Russian Oreshnik IRBM Based on Open Source Information Markus SCHILLER, AMDC GmbH			
15:50	49 Flight Performance Reconstruction for the Yemen Houthis Drones Ephraim BASHAN, EZB			
16:10	37 Cost As the Key for Effective Air and Missile Defense Uzi RUBIN, BSCSS			
16:30	<p>CLOSING ADDRESS - Conference Co-Chairs Yannick DEVOUASSOUX, ArianeGroup - Luc DINI, Thales Group - Pierre ROTY, MBDA</p>			
16:50	End of IAMD 2025			