

Tuesday, May 13th, 2025	
08:00	REGISTRATION & WELCOME
	PLENARY ROOM
09:00	<p><b><u>OPENING PLENARY SESSION</u></b>  <b>Bruno BERTHET</b>, 3AF President  <b>Yannick DEVOUASSOUX</b>, ArianeGroup - <b>Luc DINI</b>, Thales Group - <b>Pierre ROTY</b>, MBDA, <b>Conference Co-Chairs</b></p>
	PLENARY ROUND TABLES
09:30	<p><b>GOVERNMENTS VIEWS 1: POLICY - Moderator : Luc DINI</b>, THALES LAS  <b>Radoslava STEFANOVA</b>, Head, Integrated Air and Missile Defence Section, NATO  <b>Eric DESAUTELS</b>, Senior Coordinator for Emerging Security Challenges, US State Dept.  <i>Greece represenatative, Air Force Air Defense directorate (HAFVGS/A/A4) - TBC</i></p>
10:30	COFFEE BREAK
11:00	<p><b>GOVERNMENTS VIEWS 2 : PROGRAMS - Moderator : Yannick DEVOUASSOUX</b>, ArianeGroup  <b>Anthony WRAIGHT</b>, Missile Defence Center, UK  <b>Colonel (Res.) Moshe PATEL</b>, Director of Israel Missile Defense Organization, MOD, IL  <i>Jérôme PUIER</i>, DGRIS, FR - TBC</p>
12:00	NETWORKING LUNCH
14:00	<p><b>GOVERNMENTS VIEWS 3 : PROGRAMS - Moderator: Pierre ROTY</b>, MBDA  <b>Col. Christophe CABAJ</b>, French Delegation of Armements, FR  <b>Thomas KRECHEL</b>, Head of Ground Based Air and Missile Defence Branch, German Federal Ministry of defense, GE  <i>Col. Mohammed Rostom, Chief of Protocol, Jordanian Armed Forces, JO - TBC</i></p>
15:00	COFFEE BREAK
15:30	<p><b>INDUSTRIALS VIEWS 1 : Moderator : Emily Rose HICKEY</b>, KARMAN Space and Defence  <b>Jean-Philippe HARDANGE</b>, VP Strategy, Integrated Airspace Protection Systems, Thales Land and Air Systems (Thales-LAS), FR  <b>Yannick DEVOUASSOUX</b>, Bid and Program Director ArianeGroup, FR  <b>Alexandre PAPAEMMANUEL</b>, Group Business Strategy Director, MBDA, FR</p>
16:30	INTERSESSION (10')
16:40	<p><b>INDUSTRIALS VIEWS 2 : Moderator : Emily Rose HICKEY</b>, KARMAN Space and Defence  <b>Steve INSALACO</b>, Sr. Program Manager, NATO BMD, LEIDOS, USA  <b>Arne NOLTE</b>, VP Strategic Programmes GBAD, DIEHL, GE  <b>Brigadier General (Res.) Eytan ESHEL</b>, VP for R&amp;D, Israel Aerospace Industries, IL  <b>Philippe LE CLÉACH</b>, Vice President Systems of Systems and Collaborative Combat, Naval Group, FR</p>
17:40	End of Sessions
19:30	GALA DINNER : POLIS CONVENTION CENTER

08:30	REGISTRATION & WELCOME			
	PLENARY ROOM			
09:00	<div>KEYNOTE SPEECH</div> <div>Capitaine de Vaisseau Jérôme HENRY, Commander, FREMM DA Alsace, FR (TBC)</div>			
09:30	INTERSESSION (10')			
	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 1	SESSION 2	SESSION 3	SESSION 4
	Chairperson : P. ROTY, MBDA, FR	Chairperson : Y. DEVOUASSOUX, ArianeGroup, FR	Chairperson : P. LE CLÉACH, Naval Group, FR	Chairperson : P. PEDERSEN, Weibel, DK
	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	<div>30</div> <div>European Integrated Sensors Network (EISNET)</div> <div>Ignacio MONTIEL SANCHEZ, European Commission Luc DINI, Thales LAS</div>	<div>86</div> <div>Thales approach to countering Hypersonic Operational Threats</div> <div>Nico DE BRUIJN, Thales</div>	<div>34</div> <div>Mission Planning &amp; Optimization System for Multi-Layer Air Defense</div> <div>Dov PEARL, Omnisys Ltd.</div>	<div>23</div> <div>Smart Gating for Sensor Tracking of Complex Threats</div> <div>Eduard BOSCH, TNO</div>
10:00	<div>88</div> <div>NIAG SG300 Sensors Networking Across IAMD Fire Control Clusters</div> <div>Metin BUGRU, NATO - Luc DINI, Thales LAS</div>	<div>82</div> <div>Integrated Air Missile Defence for Hypersonic Threats</div> <div>Antonella DE BELLIS, MBDA ITALY</div>	<div>35</div> <div>The integration of warfighters operations and skills into the engineering design of Active Defense Systems</div> <div>Avraham NAVOT, Elbit Systems</div>	<div>27</div> <div>Gap Filler radars – Critical elements for maintaining crucial Sky Picture Situational awareness and effective IAMD in the new era</div> <div>Guy AVITSUR, DRS RADA TECHNOLOGIES</div>
10:20	<div>21</div> <div>A Journey from BMD Communications Architecture to IAMD Communications Architecture in an International Cooperation Environment: Looking to Horizon from BMD Perspective</div> <div>Engin TOKTAS, LEIDOS</div>	<div>45</div> <div>Defense Against Hypersonic Weapons – The Time Dimension</div> <div>Joseph BEN ASHER, Wales Ltd</div>	<div>25</div> <div>Operational and planning implications of HGV TDL reporting</div> <div>Peter BERGHUIS, Larissa LOBBEZOO, TNO</div>	<div>41</div> <div>High accuracy tracking, target seperation and discrimination for IAMD/BMD using dual frequency CW/FMCW Radar</div> <div>Peder PEDERSEN, Weibel Scientific</div>
10:40	COFFEE BREAK			
	SESSION 5	SESSION 6	SESSION 7	SESSION 8
	Chairperson : S. THOMAS, Parsons, USA	Chairperson : F. DOUGLAS, Thales Nederland	Chairperson : J. LASRI, NATO, Belgium	Chairperson : P. PEDERSEN, Weibel, DK
	Space Security & Defence	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	<div>43</div> <div>From Ground to Orbit: Unveiling the Potential of Radar in Space Surveillance</div> <div>Haim AVIRAM, ELTA</div>	<div>33</div> <div>Beyond the Battlefield: Multi-Domain Operations and Integrated Air and Missile Defense</div> <div>Eili BEHAR, IAI</div>	<div>29</div> <div>Cognitive Continuum: A study of Knowledge exchange and Shared Mental Model for Airborne-GBAD Delegation in Air Defense.</div> <div>Damien MARION, THALES</div>	<div>62</div> <div>Advancements in European space-based missile early warning programme ODIN'S EYE.</div> <div>Carsten BOROWY, OHB System AG</div>
11:30	<div>92</div> <div>Defence in Low Earth Orbit, what capabilities ?</div> <div>Nicolas LEFORT, MBDA</div>	<div>40</div> <div>Debris - Multi Tier Effects</div> <div>Dror COHEN, Wales Ltd</div>	<div>6</div> <div>ONERA DIAMOND MODULE : a full sccess during Paris Olympic Games 2024</div> <div>Laurent BARRILLIET, ONERA</div>	<div>100</div> <div>iFURTHER : A Cognitive Network of HF Radars for Europe Defence</div> <div>Philippe BROUARD, Marianne BOURRET, ONERA</div>
11:50		<div>51</div> <div>Mutilayered Missile Defence - Why and How</div> <div>Arieh HERZOG, WALES</div>	<div>24</div> <div>Commanding the Skies: Ensuring Readiness on NATO's Eastern Flank</div> <div>Gerd BROSZEIT, Airbus Defence &amp; Space GmbH</div>	<div>14</div> <div>OSINT : an affordable approach to prediction and detection Early Warning systems</div> <div>Fabien MASSENET, ARIANEGROUP</div>
12:10	NETWORKING LUNCH			

	PLENARY ROOM			
14:00	ROUND TABLE : <i>IAMD systems networking and collaborative engagement</i>   Moderator : Luc DINI, Thales LAS, FR Metin BUGRU, Deputy Capability Programme Director-BMD, NATO ACT BMD - Ignaccio MONTIEL SANCHEZ, Project manager EISNET, European Commission			
15:00	INTERSESSION (10')			
	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 9	SESSION 10	SESSION 11	SESSION 12
	Chairperson : F. DOUGLAS, Thales Nederland	Chairperson : A. HERMETZ, WALES, IL	Chairperson : D. SCHEPELMANN, Diehl, GE	Chairperson : L. DINI, Thales Air Systems, FR
	Air & Missile Threat : ballistic, hypersonic, cruise, UAS, RAM...	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  Ayelet Chen WADLER, IAI	83 Combat Cloud, Air Defence multi-domain scenarios  Antonella DE BELLIS, MBDA ITALY	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	36 Adapting Critical Methods from Air Warfare Arena to the Missile Defense World (Real-Time Debriefing)  Avraham NAVOT, Elbit Systems	97 EISNET: A European perspective on network-based Air Defence  Lorraine BRISACIER-PORCHON, Thales
15:50	93 ASBM and their challenges to IAMD architectures  Yann KERMAREC, ArianeGroup	39 Some General Observations from Recent Conflicts  Dror COHEN, Wales Ltd	52 Recent PLDEF developments and experiments, a game changer for IAMD A first step towards an European Naval Collaborative Engagement Capability  Frederic LIVERNET, DGA	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 Lt. Gen. Henry “Trey” OBERING, USA			
17:00	INTERSESSION (10')			
	SESSION 13	SESSION 14	SESSION 15	SESSION 16
	Chairperson : B. WELMER, TNO, NL	Chairperson : P. LE CLÉACH, Naval Group, FR	Chairperson : A. HERZOG, WALES, IL	Chairperson : S. INSALACO, Leidos, US
	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	53 Threat Evaluation and Prioritization Using Neurofuzzy Logic  Semih KAYA, ASELSAN	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	55 INSPIRE ASP System - Enhancing Airspace Awareness  Ran KOREN, Elbit/Elisra	98 Contribution of collaborative surveillance Radar to IAMD  Sylvie MARTIN dit NEUVILLE, Jean-Marie FERRIER, Thales
18:10	END OF DAY 2			

Thursday, May 15th, 2025

08:30	REGISTRATION & WELCOME			
	PLENARY ROOM			
09:00	<b>KEYNOTE SPEECH : Cost As the Key for Effective Air and Missile Defense</b> Uzi RUBIN, Begin Sadat Center for Strategic Studies, IL			
09:30	INTERSESSION (10')			
	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 17	SESSION 18	SESSION 19	SESSION 20
	Chairperson : S. INSALACO, Leidos, US	Chairperson : A. KAHANA, IAI, IL	Chairperson : M. CZICHOWSKY, German MoD	Chairperson : F. KREUTZER, IABG, GE
	Modelling and simulation - 1	CRAM, Counter UAV, GBAD & NBAD	Interceptors & Weapons Systems and Technologies - 1	Testing, Targets & Demonstration Programs - 1
09:40	3 Assessment of anti-air defense system performance against different types of air threats  Dogan YILDIZ, Aselsan	65 Lethal effect on distance – Introduction of the Small Anti Drone Missile  Andreas HEINEMANN, MBDA	78 Sea Viper Evolution A Naval Integrated Air and Missile Defence Capability  Jon DAW, MBDA UK	16 NATO Missile Firing Installation (NAMFI): A Global Leader in SBAMD Exercises, Missile, Target -Drones and UAS Testing  Panagiotis SERMPEZIS, NATO MISSILE FIRING INSTALLATION
10:00	5 The Digital Engineering Ecosystem (DEE) and How it is Applied to a Counter Unmanned Aerial Systems (CUAS) Multi-Layered Defensive Architecture  Stephen THOMAS, Parsons	66 The importance of C-UAS solutions and the need for a layered approach to GBAD  Dominik KÖNIG, ESG Elektroniksystem- und Logistik-GmbH	26 GKN Fokker Low-Cost Lightweight Missile Airframes and Launch Canisters  Mike VAN LANKVELD, GKN Fokker Aerospace B.V.	63 Naval Cooperative Surveillance towards European Capability – an important step for IAMD  Antoine BOUQUET, Naval Group
10:20	91 The Strategic Role of Simulation in Supporting Multidomain Operations Concept  Younik THOMAS, ArianeGroup	95 Lower Tier Air and Missile Defense Sensor (LTAMDS) and Counter Unmanned Aircraft Systems (CUAS) to Enhance Ground Based Air Defenses  Stefanie SALINIE, Raytheon	18 Dual pulse SAM coast time optimisation  Florina SIRGHI, Michiel BERGSMA, TNO	67 Collaborative Combat in PLDEF / E-NACSOS  Martien JOOSTEN, Thales Netherlands
10:40	COFFEE BREAK			
	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	SESSION 21	SESSION 22	SESSION 23	SESSION 24
	Chairperson : L. DINI, Thales Air Systems, FR	Chairperson : E. LEVY, Linkcom Telecom Ltd, IL	Chairperson : B. WELMER, TNO, NL	Chairperson : F. KREUTZER, IABG, GE
	Modelling and simulation - 2	Disruptive approaches	Interceptors & Weapons Systems and Technologies - 2	Testing, Targets & Demonstration Programs - 2
11:10	15 Simulating Defended Area Footprints for the Evaluation of Integrated Air & Missile Defense Systems  René PETERVARI, Fraunhofer FHR	28 Multi-objective Reinforcement Learning for Quality-of-Service Based Resource Allocation  Ryan HERCHIG, IERUS Technologies Inc.	31 Why is SAMP/T NG a Premium Contributor to IAMD?  Alain DEUDON, Eurosam	68 Kingfisher and Barracuda: new ballistic targets for a fast evolving world  Hein OLTHOF, T-Minus Engineering B.V.
11:30	49 Flight Performance Reconstruction for the Yemen Houthis Drones  Ephraim BASHAN, EZB	60 Leveraging Experiential Learning to Better Prepare the Incoming Integrated Air & Missile Defense Workforce  Stephen THOMAS, Parsons Corporation	76 A Firing Installation in a Naval Platform Service Oriented Architecture  Jacques BLANQUART, MBDA France	84 Maritime NLD IAMD capability through the perspective of recent exercises  Fred J-P DOUGLAS, Thales Nederland B.V.
11:50	99 The Shift from Old-School Aerial Tracking to AI Tracking  Brig. Gen. (res.) Pini YUNGMAN, TSG	64 Evaluating trustworthiness of Reinforcement Learning agents using safeAI  Markus HOSBACH, IABG	11 Finless Control for Affordable, Low Collateral Damage Air Defense  François BOUQUET, TNO Locatie Den Haag	20 The benefits of Ensemble Operator Test approach Unclassified lessons identified in BMD  Daniele SANNA, Leonardo
12:10	NETWORKING LUNCH			

	ROOM 1	ROOM 2	ROOM 3	
	SESSION 25	SESSION 26	SESSION 27	
	Chairperson : S. INSALACO, Leidos, US	Chairperson : P. ROTY, MBDA, FR	Chairperson : B. WELMER, TNO, NL	
	Modelling and simulation - 3	Directed Energy Weapons	Interceptors & Weapons Systems and Technologies - 3	
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  Eric DUCLOUX, MBDA	77 MBDA Counter Hypersonic Vision  Lionel MAZENQ, MBDA France	
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	
14:20	8 Anomaly Detection for Weapon Systems using Deep Transformer Networks  Woorim OH, Korea Defense Industry	90 LDEW products and developments at CILAS  David SABOURDY, CILAS		
14:40	INTERSESSION (10')			
	SESSION 28			
	PLENARY SESSION : ROUNDTABLE Moderator: Uzi RUBIN, Begin Sadat Center for Strategic Studies, IL			
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 SAVELSBERG, 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	CLOSING ADDRESS - Conference Co-Chairs Yannick DEVOUASSOUX, ArianeGroup - Luc DINI, Thales Group - Pierre ROTY, MBDA			
16:10	End of IAMD 2025			



## IAMD16 CONFERENCE VENUE

The 16th 3AF International Conference on Integrated Air and Missile Defence will be held at:

THE MET HOTEL, 48, 26 Oktovriou Str. 546 27 Thessaloniki – GREECE

## GENERAL INFORMATION

Thessaloniki, the dynamic economic and cultural capital of northern Greece and the second largest city in the country (the agglomeration is close to 800,000 inhabitants), is a city apart in Greece. Located in Macedonia, 500km north of Athens, on the shores of the Thermaic Gulf, it is a cosmopolitan city and a cultural melting pot that keeps the traces of all those who have passed through here on every street corner: Romans, Jews, Ottomans, Greek Orthodox, exiles from Asia Minor or the Balkans, travellers, merchants... and who have shaped the city.

In the vibrant city of Thessaloniki, where art and history constantly inspire an avant-garde business culture, THE MET HOTEL, a prominent member of Design Hotels, offers discerning travelers, whether traveling for business or pleasure, a sophisticated and inspiring metropolitan experience.



Its convenient location, in the New Port area, one of the city's liveliest districts, and a short distance from the city centre which is full of monuments, THE MET HOTEL is the ideal choice that offers luxury stays, gourmet dining, state-of-the-art conference facilities and a next-level spa & rejuvenation centre, all framed by outstanding services and attention to detail. During your stay, the hotel's mini-bus is at your disposal for your transfers, at no extra charge, to the central square, Aristotle and vice versa.

## IAMD16 SECRETARIAT

3AF – 6, Rue Galilée – 75116 PARIS – France

For any further information, feel free to contact the IAMD16 Secretariat :

Tel : +33 (0)1.56.64.12.37 – Email : [iamd@3af.fr](mailto:iamd@3af.fr)



## OFFICIAL TIME

During winter time (last Sunday in October to the last Sunday in March), the official time in Thessaloniki is the Universal Time Coordinated + 2 hours (UTC+2).

The rest of the year (last Sunday in March to the last Sunday in October), summer time is in effect and the official time in Thessaloniki is Universal Time Coordinated plus three hours (UTC+3).

## ACCESS – AIRPORT

Thessaloniki International Airport «Macedonia» is an airport located 13 km from Thessaloniki in the deme of Mikra, municipality of Thérmi. The airport has been operating since 1930 and is the third busiest airport in Greece, welcoming 3.9 million travelers each year. It will take around 30 minutes with taxi to reach the Conference Venue the « MET HOTEL ».

More information on the official website: <https://www.skg-airport.gr/en>

## ACCOMMODATION

Early booking for the Conference is strongly recommended. Please visit [www.3af-integratedairmissiledefence.com](http://www.3af-integratedairmissiledefence.com) to access all the booking offers.

## PARTNERSHIP & EXHIBITION

Private companies and laboratories wishing to make an impact in today's Air & Missile and Defence industry should seize this unique opportunity to communicate towards a very specialized audience, while demonstrating their know-how in a specific field of expertise and developing their professional network. For any further information on partnership and exhibition packages, please contact [event@3af.fr](mailto:event@3af.fr)