



Association Aéronautique
et Astronautique de France

IAIMD 14

CALL FOR PAPER
ABSTRACT DEADLINE TO JUNE 11

14th 3AF INTERNATIONAL CONFERENCE INTEGRATED AIR AND MISSILE DEFENCE

DECEMBER 07-09, 2021 - NICE, FRANCE

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www.3af-integratedairmissiledefence.com



THALES

ThalesRaytheonSystems

IAMD14 OBJECTIVES

Since the NATO Lisbon summit in 2010, the NATO Missile Defence mission brings together Theater Defence and Alliance Territory Defence. The European nations collectively agreed to contribute to this new mission, the form of their participation being left to each nation to be assessed.

The emergence of new threats such as the maneuvering ballistic missiles and the high supersonic / hypersonic cruise missiles or hypersonic glide vehicles present new challenges to the missile defence capability. The emergence of these new threats is also an opportunity for Europe to contribute to and complement the NATO BMD mission, to share the burden.

Defence solutions have no choice but to address the full spectrum of threats. Beyond the obvious request of operational efficiency against each type of threat, cost is one of the main challenges for Defence. Sensors and effectors should therefore as much as possible be able to address simultaneously several threat categories. It raises daunting technological, engineering, and operational challenges. These issues remain at the forefront of the battle commanders' concerns, as ballistic missiles and air threats are daily used, by state and non-state actors.

Therefore our Missile Defence challenges are now considered within the wider frame of IAMD and this will be the third edition of our conference under the new name "3AF Integrated Air and Missile Defence conference", extending the Missile Defence conference spectrum to Air Defence as well.

The 3AF Integrated Air and Missile Defence conference is once again the perfect opportunity to continue the discussion on those issues, where international cooperation is key to meet the associated challenges: within NATO and the EU in Europe, in bilateral or multilateral approaches in other regions of the world.

The 14th 3AF Integrated Air and Missile Defence conference will take place in Nice (France) from 07 to 09 December 2021. We invite the air and missile defence community to share and discuss air and missile defence challenges around the globe, reinforce ties and explore new ideas to promote air and missile defence solutions.

Once again a mix of technical and non-technical contributed and invited papers and status of the many existing IAMD programs will be presented, including VIPs' talks and specific plenary sessions. Sponsored by industry, the conference includes an exhibition where companies will display their systems and technologies. It is an unrivalled opportunity to meet customers, suppliers and decision makers, to exchange facts and opinions, to initiate and develop business and to listen to papers presented by world experts on IAMD challenges.

The Covid crisis has hit us all and we sincerely hope that you and your families are recovering from the shock. This crisis has also shown once again what our community knows well, the importance and the difficulties to anticipate and to be prepared. The conference is our modest contribution to this collective effort and we sincerely hope to see you again in December 2021 to continue our fruitful dialogue!

Yours Faithfully,

Emmanuel DELORME, Yannick DEVOUASSOUX and Luc DINI
14th 3AF International Conference on Integrated Air and Missile Defence IAMD14
Program Committee co-chairs

The following questions will in particular be raised:

- What is the current threat landscape and how is it likely to evolve?
- What are the NATO program next steps and challenges?
- How will the situation between NATO and its partners and neighbors evolve?
- What are the consequences of the US presidential election for air and missile defence?
- What are the high-reward cooperation opportunities? What is the impact of the European Defence Fund?
- How will IAMD developments across the globe affect the technological landscape? The competitive balance?
- What role will directed energy weapons play in the future?
- As space is becoming a warfighting domain, how will space surveillance capabilities support IAMD and vice-versa?
- How can the return of experience from the various developments of systems and technologies by the US, Europe, the Middle East and Asia be shared and common efforts be initiated?
- How do the national policies regarding IAMD and MD evolve with the development and fielding of new offensive and defensive capabilities, especially considering the relationship with nuclear deterrence?

CALL FOR PAPERS

IAMD14 TOPICS

We invite the submission of quality papers on the topics listed below :

1. Ballistic & Hypersonic Missile threat - Dual threat (ABT & TBM)
2. International & European Policy and Cooperation (including NATO BMD, NATO IAMD, EU and others)
3. International & National Programs
4. Defence Architectures & Integration of Air and Missile Defence
5. Command and Control - C2
6. Sensor systems & Sensor networks, including Space
7. Interceptors & Weapons Systems and Technologies
8. Testing, Targets & Demonstration Programs
9. Simulation & Training
10. Lethality & Limiting the consequences of intercept
11. Disruptive approaches
12. CRAM, Counter UAV, GBAD & NBAD
13. Directed Energy Weapons
14. Space Security & Defence
15. Cybersecurity

ADVICE TO AUTHORS

- The selected papers will be presented in a 15 minutes speech at the conference (+5 minutes for Q&A).
- An abstract will be selected based on the importance and originality of the subject addressed, on its relevance to the conference theme, on the clarity of its expression.
- The abstract should be a “stand alone” summary that can be used in the compilation of abstracts.
- The abstract should be in English, and no longer than 500 words.
- The abstract should summarize the main objectives of the paper to be presented and outline its conclusions.
- Work that has been presented elsewhere, and not updated, will be considered inappropriate.

The abstract should be submitted on:
www.3af-integratedairmissiledefence.com

The submitted papers must be unclassified.

ABSTRACT DEADLINE: 11 JUNE 2021

Please note that the Conference official language is English. All documents must be in English.

The main purpose of the abstract is to give the Programme Committee information to assist them in selecting the papers to be presented at the Conference.

KEY DATES FOR IAMD14 CONFERENCE

Abstract Deposit Deadline	11 June 2021
Author Notification	30 June 2021
Online Registration	30 June 2021
Preliminary Programme	06 September 2021
Final Manuscript Deadline	29 October 2021
IAMD14 Conference	07 - 09 December 2021

Authors are required to register and settle registration fees by 29 November 2021

IAMD14 CONFERENCE VENUE

The 14th 3AF International Conference on Integrated Air and Missile Defence will be held at:

Nice Acropolis Convention Centre
1, Esplanade Kennedy
06364 Nice, France
www.nice-acropolis.com



GENERAL INFORMATION

Located in southern Europe at the southeastern extremity of France, Nice occupies an exceptional natural site in the heart of the French Riviera.

Capital of the French Riviera, Nice and its area is, after Paris, the leading tourist destination in France and one of the most popular in the world.

For over 150 years, Nice's climate and light have attracted residents and artists from around the world. Its cultural heritage bears witness to the unique diversity of various epochs, spanning from classical to contemporary.

Nice benefits of an exceptional microclimate which contributes to its eminence. Open to the sea but protected from wind by the hills, this unique bay truly is the symbol of the South of France's art of living; a tourism hotspot for nearly two centuries.

Nice enjoys international attractiveness and high spontaneous awareness abroad, particularly in the field of business tourism, aspects which are enhanced by its quality infrastructure.



ACCESS

By Airplane

The Nice Côte d'Azur Airport is France's second-largest international airport. It is located 15 minutes from the Acropolis (7 km from the city centre). More than 50 airlines provide flights to 114 destinations in over 40 countries throughout the world.

Nice is directly connected to Europe's biggest cities as well as New York, Beijing and Dubai.

An 80-minute flight links Nice to Paris, a connection that is offered 20 times a day.

More information on the official website <https://en.nice.aeroport.fr/>

By Train

The Nice train station is located in the heart of the city. It has seven sets of tracks with covered platforms.

To reach the Acropolis Convention Centre from the train station, take the tramway towards "Hôpital Pasteur"; Stop at "Acropolis".

You can plan your trip on the SNCF official website: www.oui.sncf

By Car

From the A8 motorway "Provencal":

Exit n° 50 towards "Nice Centre" and the "Promenade des Anglais"; then follow the sign "Acropolis".

COVID-19 SANITARY PROTOCOL

3AF, as the organizer of the IAMD2021 Conference, is taking all measures to make the event safe. The venues and partners we have chosen to work with on this event have implemented specific sanitary protocols ensuring the safety of their employees and visitors. They are compliant with hygiene and cleaning requirements issued by French authorities for the prevention and control of COVID-19 and other possible infections. More information and updated recommendations on the official Conference website.

PARTNERSHIP & EXHIBITION

Any private company or laboratory wishing to make an impact in today's Missile and Defence industry should seize this unique opportunity to communicate towards a very specialized audience, while demonstrating its know-how in a specific field of expertise and developing its professional network.

For any further information on partnership and exhibition packages, please contact iamd2021.exhibition@3af.fr

IAMD14 SECRETARIAT

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

For any further information, feel free to contact the IAMD14 Secretariat :

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