

Abstract deadline

01 August 2025



Association Aéronautique
et Astronautique de France

OPTRO2026

12th International Symposium
on Optronics in Defence & Security

Marseille • France, 3-5 February 2026

Call For Papers

www.3af-optro.com

OBJECTIVES

For this 2026 edition, **OPTRO symposium will take place in Marseille, France**, and will provide an opportunity to visit the area of Marseille, which hosts some important activities in Optics and Photonics and supports, with surrounding clusters, many innovative companies, labs, schools and professional networks dedicated to Optronics and Photonics.

OPTRO is the European event for engineers and scientists in the field of Optronics.

Artificial Intelligence and next generations Optronics will be highlighted during this 12th edition, OPTRO2026. By gathering leading specialists from institutions and agencies, industry and research labs, the Symposium offers opportunities to implement fruitful exchanges between colleagues of different countries and disciplines.

OPTRO2026 will present recent advances in **Optronics in the fields of Defence and Security** and perspectives that Photonics offers in the near future through emerging technologies.

OPTRO2026 will host an exhibition, within the conference centre, offering an opportunity to exchange on innovation and products

EPIC Roundtable 2026 will gather a forum dedicated to a specific topic.

PhD's communications will be highlighted by "OPTRO 2026 best PhD communication Award".

OPTRO 2026 Award will be attributed on **February 4th, 2026**.

Keynote Addresses

- Gal. Jean-Paul **PALOMEROS**, former Supreme Allied Command at NATO,
- IGA Patrick **AUFORT**, Director at DGA/AID
- * ...

Round Table

Engagement of Optronics in current theaters of operation

PROGRAMME COMMITTEE

ALLEN	Jeffery	AFRL	US	GRAVRAND	Olivier	CEA-LETI	FR
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COUTRIS	Jean-François	CCINT	FR	PAOLACCI-RIERA	Sylvie	DGA	FR
DANIELE	Arnaud	Dassault Aviation	FR	PERE-LAPERNE	Nicolas	LYNRED	FR
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DIJK	Judith	EDA	BE	SILVER	Mark	Thales	UK
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FOURNIER	Gilles	ArianeGroup	FR	URIBE	Juanie	CSISR	US
GEYL	Roland	Geyl Consulting	FR	VALENTIN	Claire	EXOSENS	FR

CALL FOR PAPERS

Original papers are solicited on the following critical areas of research and engineering. The selected contributors will be requested to submit a full paper to the Conference Secretariat. All accepted and presented papers will be published in the proceedings and distributed at the conference. **PhD's papers are particularly appreciated.**

CONFERENCE TOPICS AND KEYWORDS

_1 Imaging & Systems: IR Imaging, SWIR imagers, goggles, binoculars, I2, low light level imaging, airborne piloting and targeting, spectroscopic imagers, intelligent munitions, thermal weapon sights, multi modal (RF/Optro) sensors, multispectral, image fusion, soldier systems, displays, inertial sensors ...

_2 Sensors & components: visible detectors, IR uncooled and cooled, superlattice detectors, multi band detectors, 3D FPA, photon counting, optical design, optical engineering, optomechanics, optical materials, windows, domes, finishing methods, optical testing, optical filters, protective coatings, laser damage resistance, cooling systems, adaptive optics, deformable mirrors ...

_3 Lasers & Systems: medium and high energy laser, laser weapons, countermeasures, active (2D/3D) imaging, fiber laser, QCL, laser range finder, laser designator, laser polarimetry and vibrometry, laser spectroscopy, lidar, laser radar, air vehicles self-protection, laser tracking systems, turbulence corrections ...

_4 Signal, Image Processing: multispectral / hyperspectral algorithms, anomaly detection, atmospheric correction, feature extraction, target recognition, performance measurement, tracking, matching and filtering, sensor / data fusion, centralized distributed architecture, adaptive / knowledge-based fusion ...

_5 Artificial Intelligence for optronics: man-machine teaming, computational vision, aid decision making, on-board computing, neuromorphic sensors, AI assisted engineering ...

_6 Simulation & Augmented Reality: physical model, analytical model, performance analysis, evaluation means, model validation, simulation, scenario, scene and target generation, virtual reality for training, augmented reality for situation awareness ...

_7 Photonics R&T & Emerging Technologies: micro-nanotechnologies, nanophotonic, plasmonics, carbon nanotubes, metamaterials, photonic crystals, terahertz, on chip processing, compressive sensing ...

_8 Airborne Applications: Airborne lasers and optical measurement (active/passive), sensors (incl. fiber optical sensors), optical navigation, sense & avoid, self-protection, optical communication for mission or flight critical systems in civil and/or military aircraft, UAV payload ...

_9 Land, Sea, Air & Space Defence Applications: Reconnaissance, ISR, navigation systems,IRST, naval E.O directors, optronic mast, periscope, avoidance systems, gyrostabilized airborne sights, armored vehicles fire control systems, anti-aircraft and anti-tank systems, drone and anti-drone systems, free space optics communications, ground station ...

ABSTRACT SUBMISSION GUIDELINES

The abstract should give sufficient insight on the technical content of the paper and enable the selection for oral presentation.

- Each selected paper will be presented in a 20 minutes talk at the Symposium (included 5 minutes for Q&A).
- The abstract should be in English and no longer than 500 words.
- The abstract should be a "stand alone" summary that can be used in the compilation of abstracts.
- The abstract should summarize the main objectives of the paper and outline its conclusions.
- To ensure a high-quality conference, all submissions will be assessed by the conference chairs for technical merit and suitability of content regarding to the main topics listed above.
- Conference chairs may reject for presentation any paper that does not meet content expectations.
- Only original content should be submitted. Commercial papers, papers with no new developments or results will not be accepted for presentation.

VENUE: MARSEILLE CHANOT EXHIBITION AND CONVENTION CENTER

Marseille Chanot Exhibition and Convention Center,
Rond Point du Prado, 13008 Marseille

Accessibility:

Marseille Chanot, the Marseille Exhibition and Convention Centre is located at the heart of the city and is easy to access:

- 10 minutes from the Vieux Port
- 5 metro stops on a direct line from Saint Charles TGV station
- 30 minutes from Marseille Provence international airport
- 3 hours from Paris by TGV (17 connections every day)
- 1800 on-site parking spaces and quick access to major motorways



TECHNICAL VISIT: LABORATOIRE D'ASTROPHYSIQUE DE MARSEILLE

ON FEBRUARY 4TH MORNING

For security purposes, registration by the 5th december 2025 is mandatory, and a copy of a valid identity document must be provided.

- Duration: 3 hours (including travel by bus)
- Limited to 30 participants
- Registration deadline: 5th december 2025



OPTRO2026 AT A GLANCE

TUESDAY 03 FEBRUARY 2026			WEDNESDAY 04 FEBRUARY 2026				THURSDAY 05 FEBRUARY 2026			
MORNING	REGISTRATION	EXHIBITION	ROOM 1	ROOM 2	ROOM 3	EXHIBITION	ROOM 1	ROOM 2	ROOM 3	EXHIBITION
	EXHIBITION VISIT		3 PARALLEL SESSIONS		3 PARALLEL SESSIONS					
	TECHNICAL VISITS (registered visitors only)									
AFTERNOON & EVENING	INTRODUCTION TO THE SYMPOSIUM	EXHIBITION	3 PARALLEL SESSIONS		EXHIBITION	3 PARALLEL SESSIONS + EPIC		EXHIBITION		
	HONORARY PRESIDENT ADDRESS INTRODUCTION TO OPTRO 2026									
	KEYNOTE ADDRESSES		PLENARY ROUNDTABLE							
GALA DINNER			COCKTAIL SOCIAL EVENT OPTRO 2026 Award OPTRO 2026 PhD Best Paper Award				END OF SYMPOSIUM			

Conference milestones

- Abstracts and papers shall be submitted on OPTRO website: www.3af-optro.com
- Abstract submission site open: 1 June 2025
 - Paper submission site open: 9 October 2025
 - Final programme: 20 December 2025

Submission deadlines

Abstract Deadline:	01 August 2025
Author Notification:	9 october 2025
Full paper Deadline:	4 December 2025

Language

Symposium official language is English.
All documents must be in English

Organizing Committee

Florence de la Barrière, ONERA
Jean-Baptiste Moullec, DGA
Gérard Berginc, 3AF
Florent Colas, Thales
Emmanuel Kling, Safran
Claire Valentin, Exosens,
Olivier Gravrand, CEA
Claudine Besson, 3AF
Jean Francois Coutris, CCINT

Conference Secretariat

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