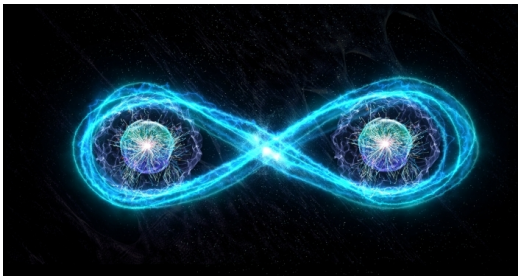
Artificial Intelligence Photonics 2026 (AI-Photonics26)



15.juin - 18.juin 2026

Cod. Z56-26

Modalité:
En personne

Édition
2026

Type d'activité
Workshop

Date
15.juin - 18.juin 2026

Location
Miramar Palace

Langues
Anglais

Reconnaissance officielle par l'État
40 heures

Comité d'organisation

Description

Photonics is gaining traction in the artificial intelligence area. Photons are viewed more and more as optimum information processing and transporting carriers for their versatility, speed and energy economy that make them apt for hardware implementations. In turn, AI in general and machine learning in particular have revealed as phenomenal tools capable to solve complex problems that can boost the development of photonics in aspects such as new materials, inverse design, and even law discovery.

ORGANIZING COMMITTEE:

- Cefe López (ICMM-CSIC, DIPC)
- David García Fernández (ICMM-CSIC, DIPC)
- Aitzol García Etxarri (DIPC, Ikerbasque)

Objectifs

This workshop aims at bringing together the communities of artificial intelligence and photonics to foster interaction and joint development and establishing a cooperative community.

En collaboration avec

Directed by

Cefe López Fernández

ICMM-CSIC

Prof. López has a background in semiconductor physics and over thirty years' experience in materials science. His specialization in photonic materials covers preparation and characterization of nano- and micro-structured materials especially those based on self-assembly. Colloidal materials have been a dear subject of study with emphasis on the order/disorder balance and led to exceptional contributions in photonic crystals and photonic glasses. Introduction of non-linear properties such as optical gain greatly adds to these materials' potential giving rise to systems such as random lasers. Investigating random lasers, he found that certain ingenious realizations facilitate their coupling and their organization in networks.

Tarifs inscription

REGISTRATION FEES	JUSQU'AU 07-06-2026
Fee Waiver	0 EUR
Student Fee	300,00 EUR
Regular fee	400,00 EUR

Lieu

Miramar Palace

Pº de Miraconcha nº 48. Donostia / San Sebastián

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