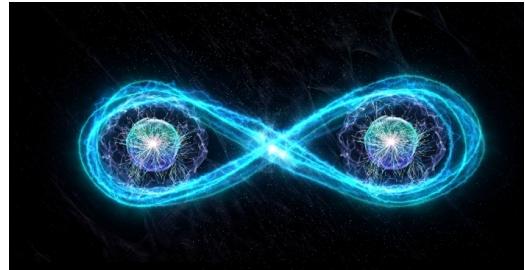


# Fotónica de inteligencia artificial 2026



**15.Jun - 18.Jun 2026**

**Cód. Z56-26**

**Mod.:**

Presencial

**Edición**

2026

**Tipo de actividad**

Workshop

**Fecha**

15.Jun - 18.Jun 2026

**Ubicación**

Palacio Miramar

**Idiomas**

Inglés

**Validez académica**

40 horas

**Web**

<https://aiphotonics.dipc.org/>

**DIRECCIÓN**

**Cefe López Fernández**, ICMM-CSIC, Prof. Inv.

**Comité Organizador**



Fundación  
**BBVA**



Gipuzkoako Foru Aldundia  
Diputación Foral de Gipuzkoa



ZENTZIA: UNIVERSITATE ETA  
BERRIKUNTZA SAILA  
DEPARTAMENTO DE CIENCIA,  
UNIVERSIDADES E INNOVACIÓN

# **Descripción**

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)

## **Objetivos**

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

## **Colabora**



## Dirigido por:



### **Cefe López Fernández**

ICMM-CSIC, Prof. Inv.

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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.

## Precios matrícula

### **REGISTRATION FEES**

**HASTA 07-06-2026**

Fee Waiver	0 EUR
Student Fee	300,00 EUR
Regular fee	400,00 EUR

## **Lugar**

### **Palacio Miramar**

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa