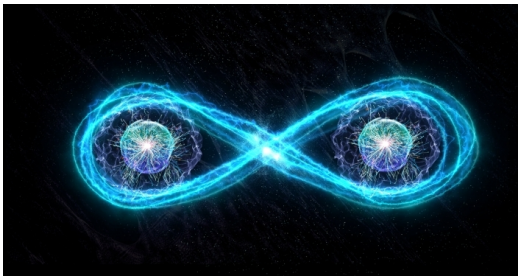
Fotónica de inteligencia artificial 2026



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

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.

Colaboradores específicos del curso

Donostia International Physics Center

CSIC icmm EXCELENCIA SEVERO OCHOA

EUSKO JAURLARITZA GOBIERNO VASCO

ZIENTZIA, UNIBERTSITATE ETA BERRIKUNTZA SAILA

DEPARTAMENTO DE CIENCIA, UNIVERSIDADES E INNOVACIÓN

Dirigido por:

Cefe López Fernández

ICMM-CSIC, Prof. Inv.

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