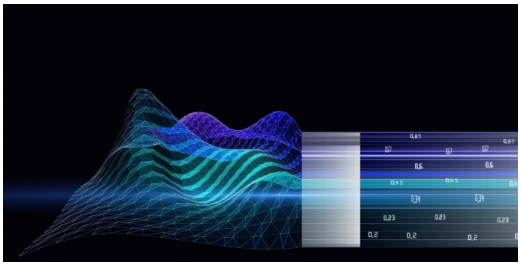
Topological Photonics 2025 (TOPOPHOTO25)



30.Jun - 02.Jul 2025

Cod. Z11-25

Mod.:
Face-to-face

Edition
2025

Activity type
Workshop

Date
30.Jun - 02.Jul 2025

Location
Miramar Palace

Languages
English

Academic Validity
30 hours

Web
https://topophoto2025.dipc.org

Organising Committee

Description

This workshop continues the series of workshops “Topology meets quantum optics 2021 (online)” and “Topological Photonics 2022 (San Sebastian, Spain) and Topological Photonics 2024 (Madrid, Spain). The 2025 meeting will bring together scientists exploring topics such as topological photonic crystals, topological metamaterials, non-Hermitian topology, topological light-matter interfaces, directional amplifiers, topological protection of non-classical states of light, as well as topological effects in other classical non-classical systems.

POSTERS

Three prizes will be awarded to the best posters submitted.

- First prize: €200
- Second prize: €150
- Third prize: €100

ORGANIZING COMMITTEE

- Aitzol Garcia Etxarri (DIPC)
- Paloma Arroyo Huidobro (Universidad Autonoma de Madrid and IFIMAC)
- Alejandro González Tudela (Instituto de Física Fundamental-CSIC)
- Alberto Amo Laboratoire PhLAM CNRS (Université de Lille)

Objectives

The TopoPhoto25 workshop is aimed at gathering a critical mass of people working in the vibrant area of Topological Photonics as well as topology in other wave and quantum phenomena.

Course specific contributors

Donostia International Physics Center

European Research Council
Established by the European Commission

EUSKO JAURLARITZA
GOBIERNO VASCO

ZIENTZIA, UNIBERTSITATE ETA BERRIKUNTZA SAILA

DEPARTAMENTO DE CIENCIA, UNIVERSIDADES E INNOVACIÓN

Directed by

Aitzol Garcia Etxarri

DIPC

Aitzol Garcia-Etxarri is an Ikerbasque Researcher at the Donostia International Physics Center, where he leads a research group of 12 people (6 men, 6 women). His research group primarily studies the interaction of light and matter at the nanometric scale, both at the level of basic science and by seeking applications in biological problems and quantum technologies. Currently, he leads, along with Rafael Yuste, the Basque NanoNeuro Network (B3N), an international consortium of 10 research groups (7 in the Basque Country, 3 in the USA) focused on the application of nanotechnology to the field of neuroscience. However, his contribution to society goes far beyond this. He is an active science communicator. He gives multiple public conferences each year, has been a regular collaborator on Euskadi Irratia since 2007, a contributor to the magazine JotDown, and a member of the interdisciplinary program “Mestizajes” of the DIPC. He is also the co-founder of the initiative “Pride for Science” in the Basque Country, a remarkable effort aimed at increasing the visibility of the LGBTIQ+ community in science in Euskadi.

Teachers

Andrea Alu

CUNY Advanced Science Research Center

Andrea Alù is a Distinguished Professor, founding director of the Photonics Initiative at the CUNY Advanced Science Research Center, Einstein Professor of Physics at the CUNY Graduate Center, and Professor of Electrical Engineering at The City College of New York. He is affiliated with the Wireless Networking and Communications Group and the Applied Research Laboratories, both based at the University of Texas at Austin, where he is a Senior Research Scientist and Adjunct Professor. His research interests span over a broad range of technical areas, including applied electromagnetics, nano-optics and nanophotonics, microwave, THz, infrared, optical and acoustic metamaterials and metasurfaces, plasmonics, nonlinearities and nonreciprocity, cloaking and scattering, acoustics, optical nanocircuits and nanoantennas.

Dario Bercioux ---

Donostia International Physics Center

Dario Bercioux is an Ikerbasque Research Associate at the Donostia International Physics Center.

Iacopo Carusotto

INO-CNR BEC Center

Alexander Cerjan

Thomas Christensen

Chiara Devescovi Devescovi

Shanhui Fan

Filipa Prudencio

Instituto de Telecomunicacoes

Sylvain Ravets

CNRS

Frank Scheffold

University of Fribourg

Olga Smirnova

Max-Born Institute and TU Berlin

Clivia Sotomayor Torres

Institut Cátala de Nanosciencia y Nanotecnologia (ICN2) and ICCREA

Prof. Dr. Clivia M. Sotomayor Torres (www.icrea.cat/Web/ScientificStaff/clivia-marfa-sotomayor-torres-422) obtained her BSc. (Hons.) in Physics (U. Southampton) and her Dr. Phil. in Physics (U. Manchester) with a thesis on semiconductor physics. She has held tenured academic appointments at St Andrews, Glasgow, Wuppertal and at University College Cork. Since 2008 she is an ICREA Research Professor at the ICN2 where she leads

the 17-strong Phononic and Photonic Nanostructures group (www.icn2-p2n.eu/). She was a Visiting Professor at KTH (2013-18). Her main research field is nanophononics, focusing on phonons in confined systems, thermal transport, optomechanics and topological phononics. Her research interest extend to nanofabrication and nanometrology. She works actively in several European projects and currently coordinates the FET Open project PhENOMEN on phonon circuits.

Päivi Törmä

Aalto University

Ewold Verhagen

AMOLF

Baile Zhang

Nanyang Technological University

Oded Zilberberg

University of Konstanz

Registration fees

REGISTRATION	UNTIL 22-06-2025
Regular Attendant	350,00 EUR
Fee Waiver	0 EUR

Place

Miramar Palace

Pº de Miraconcha nº 48. Donostia / San Sebastián

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