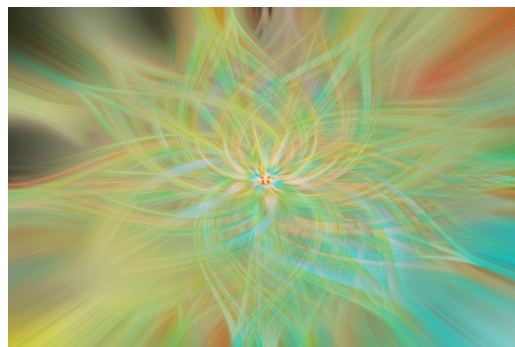




Current Trends in Nonlinear Photocurrents and Magnetism (CINERAMA25)



26.May - 30.May 2025

Cod. Z01-25

Mod.:

Face-to-face

Edition

2025

Activity type

Workshop

Date

26.May - 30.May 2025

Location

Materials Physics Center (CSIC-UPV/EHU)

Languages

English

Academic Validity

50 hours

Web

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

Organising Committee



Description

The first edition of the international workshop CINERAMA25 aims at exploring the forefront of nonlinear photocurrents and magnetism by bringing together a leading group of international researchers, in addition to students, postdocs and other participants to share the latest contributions on cutting-edge topics including but not limited to, the bulk photovoltaic effect, the geometric and topological nature of magneto-optical responses, Floquet physics, van der Waals magnets, orbital and spin-orbital textures and altermagnetism. In addition to invited and contributed talks, we plan an afternoon hands-on tutorial on the WannierBerri computational code to showcase the calculation of some of these effects.

ORGANIZING COMMITTEE:

- María Camarasa Gómez (UPV/EHU & Centro de Física de Materiales - CFM)
- Daniel Hernangómez Pérez (CIC nanoGUNE)
- Julen Ibañez Azpiroz (Centro de Física de Materiales - CFM)

Objectives

The workshop aims to foster a collaborative environment where scientists from diverse disciplines including applied physics, theoretical modeling, and experimental physics, can exchange knowledge and ideas

Course specific contributors



ZIENTZIA, UNIBERTSITATE ETA
BERRIKUNTZA SAILA

DEPARTAMENTO DE CIENCIA,
UNIVERSIDADES E INNOVACIÓN

Directed by



Julen Ibañez Azpiroz

Centro de Física de Materiales

Julen Ibañez (Hondarribia, 1986) has a Bachelor's degree and a PhD in Physics from the University of the Basque Country. He completed a postdoctoral stay in Jülich (Germany), after which he returned to the Basque Country thanks to a Marie Skłodowska-Curie scholarship. He is currently an Ikerbasque Associate researcher at the Materials Physics Center in Donostia, where he directs a research group in the field of nonlinear optics in condensed matter physics.

Teachers



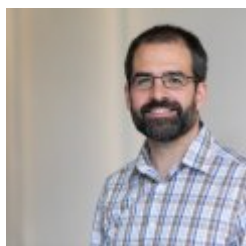
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Technial University of Munich



Qiong Ma Ma

Boston College

Dr. Qiong Ma got her Bachelor's degree from the University of Science and Technology of China (USTC). She then moved to MIT where she got her Ph.D. of physics under the supervision of Prof. Pablo Jarillo-Herrero and in close collaboration with Prof. Nuh Gedik. Her group focuses on uncovering and understanding the fundamental physics of novel quantum materials, particularly about electron and phonon dynamics, low dimensionality, topology, and correlation. Our group applies advanced nano-/micro-sized device fabrications to control multiple degrees of freedom in quantum materials and combine low-temperature electronic transport and nonlinear, ultrafast, and near-field optoelectronic microscopies and spectroscopies to probe the physics.



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EPFL (Switzerland)



Yijin Zhang

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Registration fees

REGISTRATION FEES	UNTIL 18-05-2025
Fee Waiver	0 EUR
Regular Attendant	350,00 EUR

Place

Materials Physics Center (CSIC-UPV/EHU)

Manuel de Lardizabal, 4. 20018 Donostia / San Sebastián

Gipuzkoa