

Current Trends in Nonlinear Photocurrents and Magnetism **(CINERAMA25)**



26.Mayo - 30.Mayo 2025

Cód. Z01-25

Mod.:

Presencial

Edición

2025

Tipo de actividad

Workshop

Fecha

26.Mayo - 30.Mayo 2025

Ubicación

Centro de Física de Materiales (CSIC-UPV/EHU)

Idiomas

Inglés

Validez académica

50 horas

Web

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

DIRECCIÓN

Julen Ibañez Azpiroz, Centro de Física de Materiales

Comité Organizador



Gipuzkoako Foru Aldundia
Diputación Foral de Gipuzkoa

Descripción

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)

Objetivos

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

Colaboradores específicos del curso



ZIENTZIA, UNIBERTSITATE ETA
BERRIKUNTZA SAILA
DEPARTAMENTO DE CIENCIA,
UNIVERSIDADES E INNOVACIÓN

Dirigido por:



Julen Ibañez Azpiroz

Centro de Fisica 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.

Profesorado



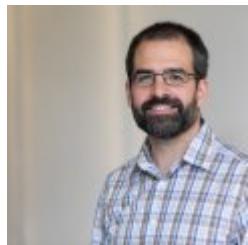
Claudio Attaccalite Attaccalite

CNRS



Reyes Calvo

CICNanogune



Fernando de Juan Sanz

Donostia International Physics Center



Hugo Dil

EPFL



Florian Dirnberger

TUD



Paulo E. Faria Junior

University of Central Florida



Aran Garcia-Lekue

DIPC



Luis Hueso

CIC nanoGUNE

**Christoph Kastl**

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.

**Alejandro Molina Sanchez**

Universidad de Valencia



Miguel Moreno Ugeda

CIC NanoGUNE



Takahiro Morimoto

The University of Tokyo



Alberto MORPURGO

University of Geneva



Juan Jose Palacios Burgos

Universidad Autónoma de Madrid



Dmytro Pesin Pesin

University of Virginia, Charlottesville, USA



Ashwin Ramasubramaniam



Helena Reichlova

Institute of Physics, Czech Academy of Sciences



Raffaele Resta

IOM-CNR



John Sipe

University of Toronto



Libor Šmejkal

Max Planck Institute for Chemical Physics of Solids, Dresden



Inti Sodemann Villadiego

University of Leipzig



Ivo Souza



Andreas Stier

TU München



Dong Sun

Peking University



Veronika Sunko Sunko

UC Berkeley



Stepan Tsirkin

EPFL (Switzerland)



Yijin Zhang

The University of Tokyo

Precios matrícula

REGISTRATION FEES

HASTA 18-05-2025

Fee Waiver	0 EUR
Regular Attendant	350,00 EUR

Lugar

Centro de Física de Materiales (CSIC-UPV/EHU)

Pº Manuel de Lardizabal, 4. 20018 Donostia / San Sebastián

Gipuzkoa