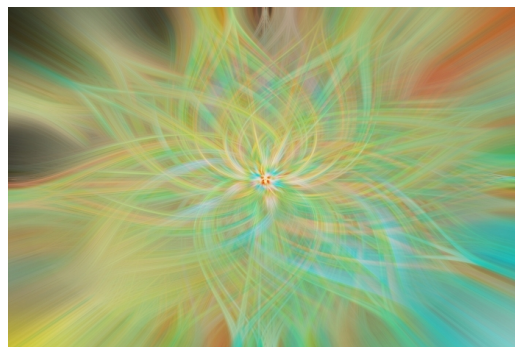




# Current Trends in Nonlinear Photocurrents and Magnetism (CINERAMA25)



**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**



## 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 Física de Materiales

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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

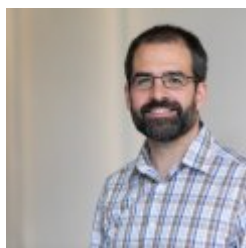
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**Reyes Calvo**

CICNanogune

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**Fernando de Juan Sanz**

Donostia International Physics Center

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**Hugo Dil**

EPFL

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**Florian Dirnberger**

TUD

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**Paulo E. Faria Junior**

University of Central Florida

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**Aran Garcia-Lekue**

DIPC

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**Luis Hueso**

CIC nanoGUNE

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**Christoph Kastl**

Technial University of Munich

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**Qiong Ma Ma**

Boston College

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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

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**Miguel Moreno Ugeda**

CIC NanoGUNE

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**Takahiro Morimoto**

The University of Tokyo

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**Alberto MORPURGO**

University of Geneva

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**Juan Jose Palacios Burgos**

Universidad Autónoma de Madrid

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**Dmytro Pesin Pesin**

University of Virginia, Charlottesville, USA

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**Ashwin Ramasubramaniam**

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**Helena Reichlova**

Institute of Physics, Czech Academy of Sciences

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**Raffaele Resta**

IOM-CNR

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**John Sipe**

University of Toronto

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**Libor Šmejkal**

Max Planck Institute for Chemical Physics of Solids, Dresden

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**Inti Sodemann Villadiego**

University of Leipzig

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**Ivo Souza**

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**Andreas Stier**

TU München

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**Dong Sun**

Peking University

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**Veronika Sunko Sunko**

UC Berkeley

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**Stepan Tsirkin**

EPFL (Switzerland)

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**Yijin Zhang**

The University of Tokyo

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# 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

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