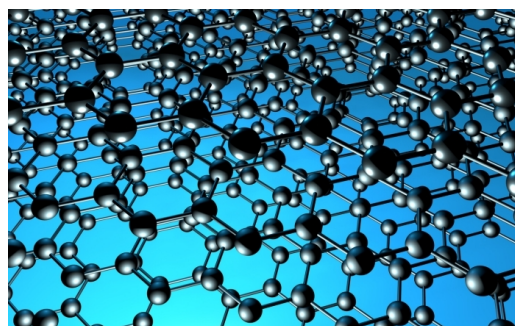




# Optics, Electronics and Magnetism in 2D Materials Workshop (OEM-2D)



**21.May - 24.May 2024**

**Cod. Z03-24**

**Mod.:**

Face-to-face

**Edition**

2024

**Activity type**

Workshop

**Date**

21.May - 24.May 2024

**Location**

Faculties of Psychology / Education, Philosophy and Anthropology (HEFA I)

**Languages**

English

**Academic Validity**

40 hours

**Web**

<https://oem2d.dipc.org/>

**Organising Committee**





## Description

Optics, Electronics and Magnetism in 2D Materials workshop (OEM-2D) is a dynamic and cutting-edge event at the intersection between materials science and condensed matter physics, with experts in the field of two-dimensional nanostructures including flakes, layers and nanostructures, and studying phenomena related to electronics, magnetism and optics. This workshop focuses on the structure-property interplay in its shaping of the electronics and magnetic materials of today. Other nanostructures related to surfaces are also welcome. OEM-2D aims to foster collaboration, bringing together leading researchers and scientists from diverse disciplines, such as devices, modelling,... to facilitate the exchange of knowledge and ideas, paving the way for the studying innovative materials to be used in the engineering of future technologies such as valleytronics, spintronics and quantum computing.

### ORGANIZING COMMITTEE:

Prof. Garnett Bryant, Joint Quantum Institute, National Institute of Standards and Technology, United States; University of Maryland, United States

Prof. Dr. R Thomas Weitz, Georg-August University Göttingen, Germany

Dr. Anna Seiler, Georg-August University Göttingen, Germany

Dr. Marta Pelc, Nicolaus Copernicus University, Poland

Prof. Karolina Słowik, Nicolaus Copernicus University, Poland

Senior Researcher Dr. Andrés Ayuela, Donostia International Physics Center (DIPC), Spain; Centro de Física de Materiales-MPC CSIC-UPV/EHU, Spain

## Objectives

At OEM-2D, our primary aim is to establish and enhance collaborations between experts in the field, enabling cross-exchange of ideas and research across various subdisciplines. By promoting a synergy of expertise, we aim to accelerate progress and breakthroughs in the realms of optics, electronics, and magnetism, with a particular emphasis on graphene and other interesting nanostructures.

Another vital aim of this workshop is to serve as a platform for sharing insights and initiating collaborative projects. We envision OEM-2D as a hub for the exchange of knowledge, enabling participants to leverage their collective expertise and embark on groundbreaking research endeavors. Our goal is to create an environment where new ideas flourish and synergies are harnessed to their fullest potential.

Furthermore, we are committed to help the next generation of researchers. OEM-2D places a strong emphasis on connecting Ph.D. students and postdoctoral researchers with the latest developments at the forefront of these fields. By bridging the gap between established researchers and emerging talent, we aim to cultivate the future leaders in materials science and provide them with the resources and networks necessary for their growth and success. Through a combination of in-depth sessions and networking opportunities, OEM-2D offers an invaluable educational experience for young scholars and aspiring researchers.

## Course specific contributors



HEZKUNTZA SAILA  
DEPARTAMENTO DE EDUCACIÓN

## Directed by



**Andrés Ayuela**

Donostia International Physics Center (DIPC) Centro de Física de Materiales - MPC CSIC- UPV/EHU

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# Registration fees

REGISTRATION FEES	UNTIL 12-05-2024
Fee Waiver	0 EUR
Regular attendant	300,00 EUR

## **Place**

### **Faculties of Psychology / Education, Philosophy and Anthropology (HEFA I)**

Avda. de Tolosa 70, (access from the right side), 20018 Donostia/San Sebastián

Gipuzkoa