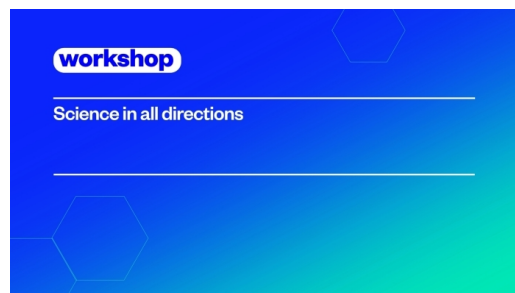




Novel Electronic Properties of Two-Dimensional Materials (NEP2DM)



Uzt. 11 - Uzt. 15 2022

Kod. Z15-22

Mod.:

Aurrez aurrekoa

Edizioa

2022

Jarduera mota

Workshop

Data

Uzt. 11 - Uzt. 15 2022

Kokalekua

Miramar Jauregia

Hizkuntzak

Ingelesa

Balio akademikoa

50 ordu

Webgunea

<http://www.nep2dm.dipc.org>

Antolakuntza Batzordea



Azalpena

The conference will bring together leading experts in the experimental and theoretical fronts to discuss the newly found correlated electronic states in two dimensional Moiré heterostructures. These include correlated insulators and superconductors in stacked, twisted layers of graphene in their different forms, as well as transition metal dichalcogenide heterostructures like those realized with WSe₂ and variants. The conference will feature talks in a range of experimental techniques as well as advanced theoretical modeling, in order to further understand the surprising behaviour of these heterostructures

ORGANIZING COMMITTEE:

Francisco Guinea (IMDEA Nanoscience and DIPC/Ikerbasque)

Fernando de Juan (DIPC/Ikerbasque)

Pablo Jarillo-Herrero (MIT)

Frank Koppens (ICFO)

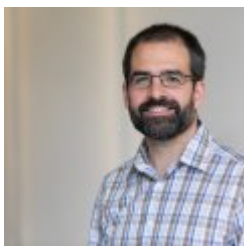
Helburuak

To showcase the latest experimental and theoretical results in the field of two dimensional Moire heterostructures, and to catalyze new collaborations to solve open problems in the field.

Ikastaroaren laguntzaile espezifikoak



Zuzendaritza



Fernando de Juan Sanz

Donostia International Physics Center



Francisco Guinea López

IMDEA Nanoscience - DIPC

Irakasleak



Siddharth Ashok Parameswaran



Leni Bascones

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Andrei Bernevig



Jennifer Cano

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Dmitri Efetov Efetov



Klaus Ensslin



Atac Imamoglu



Jeil Jung Woo

University of Seoul



Eunah Kim



Mikito Koshino

Department of Physics, Osaka University



Jeanie Lau

The Ohio State University

Chun Ning (Jeanie) Lau is a Professor in the Department of Physics at The Ohio State University. She received her BA in physics from University of Chicago in 1994, and PhD in physics from Harvard in 2001. She was a research associate at Hewlett Packard Labs in Palo Alto from 2002 to 2004, before joining University of California, Riverside in 2004 as an assistant professor. She was promoted to associate professor in 2009 and full professor in 2012. Starting January 2017 she moved to The Ohio State University. The honors and awards she has received include the NSF CAREER award, the PECASE award, Kavli Fellow and APS Fellow. Her research focuses on electronic, thermal and mechanical properties of nanoscale systems, in particular, graphene and other two-dimensional systems.



Stevan Nadj-Perge Nad Perge

California Institute of Technology



Hector Ochoa



Yuval Oreg

Weizmann Institute of Science, Professor



Pierre Anthony Pantaleon Peralta



Daniel Parker

Harvard Physics



Jane Park Park

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Cecile Repellin

Massachusetts Institute of Technology



Carmen Rubio Verdú



Päivi Törmä

Aalto University



Xiaodong Xu



Oleg Yazyev



Eli Zeldov

Weizmann Institute of Science

Matrikula prezioak

REGISTRATION FEES

2022-07-04 ARTE

Attendant

375,00 EUR

Kokalekua

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Gipuzkoa