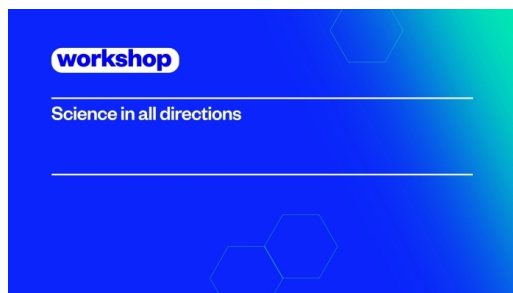




# International Conference on Reduced Density Matrix Theory for Quantum Many- Fermion Systems (RDM2022)



**Eka. 15 - Eka. 17 2022**

**Kod. Z04-22**

**Mod.:**

Aurrez aurrekoa

**Edizioa**

2022

**Jarduera mota**

Workshop

**Data**

Eka. 15 - Eka. 17 2022

**Kokalekua**

Miramar Jauregia

**Hizkuntzak**

Ingelesa

**Balio akademikoa**

30 ordu

**Webgunea**

<http://rdm2022.dipc.org>

**Antolakuntza Batzordea**



Fundación  
BBVA



## Azalpena

The interdisciplinary RDM2022 brings together experts from the quantum sciences, particularly quantum chemistry and quantum information theory to elaborate on conceptual aspects of interacting quantum many-fermion systems. Topics will explore the theory and applications of both ground and excited states as well as time-dependent processes. The conference comprises the following connected thematic blocks:

1. Geometry of RDMs & Concept of fermionic correlation and entanglement.
2. 1- and 2-body N-representability Problem.
3. 1-RDM and 2-RDM Functional Theories.
4. Excited States and Time-Evolution.

### ORGANIZING COMMITTEE:

Prof. Mario Piris (DIPC, UPV/EHU, IKERBASQUE)

Prof. David A. Mazziotti (University of Chicago, USA)

Dr. Christian Schilling (LMU Munich, Germany)

## Helburuak

The aim of the International Conference on Reduced Density Matrix Theory for Quantum Many-Fermion Systems is to discuss recent ideas and identify open challenges related to the determination of the energy and properties of interacting fermions in terms of reduced density matrices.

## Ikastaroaren laguntzaile espezifikoak



## Zuzendaritza



**Mario Piris Piris Silvera**

DIPC & UPV/EHU & IKEBASQUE

---

# Matrikula prezioak

REGISTRATION

2022-06-05 ARTE

Attendant

0 EUR

# **Kokalekua**

## **Miramar Jauregia**

Mirakontxa pasealekua 48, 20007 Donostia

Gipuzkoa