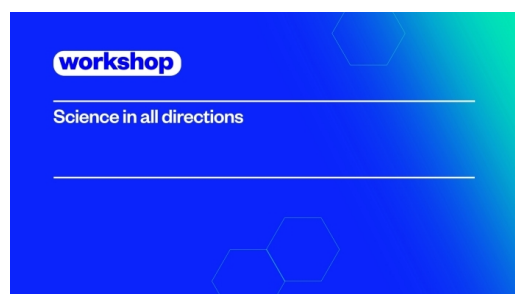




International Conference on Reduced Density Matrix Theory for Quantum Many- Fermion Systems (RDM2022)



15.Jun - 17.Jun 2022

Cód. Z04-22

Mod.:
Presencial

Edición
2022

Tipo de actividad
Workshop

Fecha
15.Jun - 17.Jun 2022

Ubicación
Palacio Miramar

Idiomas
Inglés

Validez académica
30 horas

Web
<http://rdm2022.dipc.org>

DIRECCIÓN

Comité Organizador

Fundación
BBVA



Descripción

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)

Objetivos

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.

Colaboradores específicos del curso



Dirigido por:



Mario Piris Piris Silvera

DIPC & UPV/EHU & IKEBASQUE

Precios matrícula

REGISTRATION	HASTA 05-06-2022
Attendant	0 EUR

Lugar

Palacio Miramar

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa