



# Nanotechnology Meets Quantum Information ( NanoQI'24)



**22.Jul - 25.Jul 2024**

**Cod. Z17-24**

**Mod.:**

Face-to-face

**Edition**

2024

**Activity type**

Workshop

**Date**

22.Jul - 25.Jul 2024

**Location**

Miramar Palace

**Languages**

English

**Academic Validity**

40 hours

**Web**

<http://nanoqi.dipc.org>

**Organising Committee**





## Description

Advances in the understanding and control of the quantum properties of matter and in nanofabrication are laying the groundwork for revolutionary new technologies and information processing capabilities. Following the successful schools in 2016, 2017, 2019 and 2022, the summer school NanoQI'24 provides an introduction to the basics and recent advances in major areas of quantum information theory and solid-state-based quantum technologies. Both the physics of different implementations of quantum information technologies and the applicable theoretical methods are covered.

ORGANIZING COMMITTEE:

Geza Giedke (DIPC, Ikerbasque)

Alejandro González-Tudela (IFF CSIC)

Ataç Imamoglu (ETH Zurich)

## Objectives

The school is aimed at PhD students and young postdocs interested in quantum information processing and quantum technologies and offers lectures by leading researchers in the field (both from experiment and theory) that offer an overview of the main concepts and methods and explain promising current research directions. In addition it offers a forum for all participants to present and discuss their own research with their colleagues and senior researchers.

## Course specific contributors



**Directed by**



**Geza Giedke**

DIPC

---

# Registration fees

REGISTRATION FEES	UNTIL 14-07-2024
Fee Waiver	0 EUR
Regular Attendant	400,00 EUR

## **Place**

### **Miramar Palace**

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa