



# Nanotechnology Meets Quantum Information (NanoQI'22)



**30.Aug - 02.Sep 2022**

**Cod. Z20-22**

**Mod.:**

Streaming Face-to-face

**Edition**

2022

**Activity type**

Workshop

**Date**

30.Aug - 02.Sep 2022

**Location**

Miramar Palace

**Languages**

English

**Academic Validity**

40 hours

**Web**

<http://nanoqi.dipc.org>

**Organising Committee**



## Description

The Summer School NanoQI'22 provides an introduction to the basics and recent advances in 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.

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 provide 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.

## Objectives

Provide an introduction to the basics, aims, methods, and recent advances in quantum information theory and solid-state-based quantum technologies.

Provide a forum where young researchers can learn from recognized leaders in the field, meet and connect to colleagues and present their own research.

## Course specific contributors



Centro de Ciencias de Benasque  
Pedro Pascual



**Directed by**



**Geza Giedke**

DIPC

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## Teachers



**Markus Aspelmeyer**

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**Carlo Beenakker**

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**Jason Petta**

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**Peter Rabl**

TU Wien

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**Jelena Vuckovic**

Stanford University

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**Pascale Senellart**

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# Registration fees

REGISTRATION FEES	UNTIL 18-08-2022
Regular attendant	280,00 EUR

## **Place**

### **Miramar Palace**

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa