



Nanotechnology Meets Quantum Information (NanoQI'19)



21.Juil - 26.Juil 2019

Cod. Z15-19

Modalité:

En personne

Édition

2019

Type d'activité

Workshop

Date

21.Juil - 26.Juil 2019

Location

Miramar Palace

Langues

Anglais

Reconnaissance officielle par l'État

50 heures

Comité d'organisation

Fundación
BBVA



Description

Ever smaller and better designed and controlled solid-state structures are reaching the quantum realm, leading to new promises and challenges in technology and information processing and an emerging industry.

This school gives an introduction into an overview of the basics and recent advances in different areas of quantum information theory and solid-state-based quantum technologies. Both the basic 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 with interest in quantum information and its (solid-state) implementation.

Organizing committee:

J. Ignacio Cirac (Max-Planck-Institute for Quantum Optics Garching)

Géza Giedke (DIPC, Basque Country, Spain)

Ataç Imamoglu (ETH Zurich, Switzerland)

Mikhail D. Lukin (Harvard University, Cambridge, MA, USA)

Alejandro González-Tudela (Institute for Fundamental Physics, CSIC Madrid, Spain)

Objectifs

Bring together young scientists interested in quantum information processing and quantum technologies and their implementation using solid-state systems.

Give an introduction and overview of the main concepts and methods and explain promising current research directions through lectures by leading experts in the field.

Provide a forum to present and discuss their own research with their colleagues and senior researchers.

Collaborateurs spécifiques au cours



Directed by



Geza Giedke

DIPC

Tarifs inscription

REGISTRATION	JUSQU'AU 22-07-2019
FEE WAIVER	0 EUR
REGULAR ATTENDANT	330,00 EUR