Nanotechnology Meets Quantum Information (NanoQI'17)

23.Jul - 28.Jul 2017

Cód. Z14-17

Mod.:
Presencial

Edición
2017

Tipo de actividad
Workshop

Fecha
23.Jul - 28.Jul 2017

Ubicación
Palacio Miramar

Idiomas
Inglés

Validez académica
50 horas

Web
http://nanoqi.dipc.org/

DIRECCIÓN

Geza Giedke, DIPC

Comité Organizador

Descripción

The summer school NanoQI'17 provides an introduction to the basics and recent advances in major areas of quantum information theory and solid-state-based quantum technologies. Leading experts in the field present both the physics of different implementations of quantum information technologies and the theoretical methods on which the understanding and control of the quantum properties of matter are based and which are laying the groundwork for revolutionary new technologies.

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.

Organizing Commitee

J. Ignacio Cirac (Max-Planck-Institut für Quantenoptik-Garching b.München, Germany)

Geza Giedke (Ikerbasque Research Professor at Donostia International Physics Center-Donostia-San Sebastian)

Alejandro González-Tudela (Max-Planck-Institut für Quantenoptik-Garching b.München, Germany)

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

Ataç Imamoglu (ETH Zurich-Zurich, Switzerland)

Objetivos

The aim of NanoQI'17 is to bring together young scientists interested in quantum information processing and quantum technologies and their implementation using solid-state systems and nanotechnology and provide them

(1) with lectures by leading researchers in the field that offer both an overview of the main concepts and methods and explain promising current research directions and

(2) a forum to present and discuss their own research with their colleagues and senior researchers.

Colaboradores específicos del curso

Dirigido por:

Geza Giedke

DIPC

Precios matrícula

REGISTRATION FEES	HASTA 03-07-2017
Invited Speaker	0 EUR
Students	0 EUR
Regular Fee	300,00 EUR

Lugar

Palacio Miramar

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa