Nanotechnology Meets Quantum Information (NanoQI)

10.Uzt - 14.Uzt

Kod. 119-16

Edizioa
2016

Jaduera mota
Kongresua

Data
10.Uzt - 14.Uzt

Kokalekua
Miramar Jauregia

Hizkuntzak
Ingelera

Web
http://nanoqi.dipc.org

ZUZENDARITZA

Geza Giedke - DIPC

Antolakuntza Batzordea
Azalpena

Seven leading experts will review the experimental and theoretical state-of-the-art for some of the most promising implementations such as semiconductor quantum dots, superconducting circuits, defect centers in diamond, photonic crystal structures, or topological insulators and explore the prospects of quantum computing, quantum simulation, and the physics of quantum many-body systems. Ample time is allotted for discussions and the participants can present their research at a poster session.

Helburuak

Ever smaller and better designed semiconductor structures are reaching the quantum realm, leading to new promises and challenges in information processing. This school gives an introduction into 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.

Website of the congress: http://dipc.ehu.es/sch_presentacion.php?id=134

Ikastaroaren laguntzaile espezifikoak
Zuzendariak

Geza Giedke -
DIPC
(Donostia-San Sebastián)
Matrikula prezioak

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Kokalekua

Miramar Jauregia

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Gipuzkoa