Synthetic Electronic Quantum Matter (SELEQ)


Cód. Z19-24

Mod.: Presencial

Edición
2024

Tipo de actividad
Workshop

Fecha

Ubicación
Palacio Miramar

Idiomas
Inglés

Validez académica
30 horas

Web
https://seleq24.dipc.org/

DIRECCIÓN

Tobias Grass, Donostia International Physics Center (DIPC)

Comité Organizador
**Descripción**

At the intersection of quantum optics, condensed matter physics, and quantum technologies, the workshop will address topics like:

- Light-matter interactions in strongly correlated systems
- Many-body phases of excitons/exciton-polaritons
- Moiré systems
- Light-induced quantum phases
- Electronic quantum simulators
- Quantum dots

High-profile researchers in the field are invited to deliver their talks, and also there will be an opportunity for ~15 younger researchers to present their work in contributed talks. Every participant will be given the opportunity to present their work during a poster session.

**ORGANIZING COMMITTEE:**

Dario Bercioux (DIPC)
Mohammad Hafezi (Joint Quantum Institute)
François Dubin (CNRS)

**Objetivos**

This workshop aims at gathering international scholars working on the control of electronic materials, specifically the engineering of quantum correlations and many-body phases of matter in electronic devices.

**Colaboradores específicos del curso**

[Donostia International Physics Center](https://www.dipc.org)
[Fundación BBVA](https://www.bbva.com)
Tobias Grass is an Ikerbasque Research Fellow at the Donostia International Physics Center (DIPC) in San Sebastián. His research concentrates on strongly correlated quantum matter, with a focus on controllable systems through light-matter interactions. Before his appointment at the DIPC, Grass was a La Caixa Junior Leader Fellow at ICFO in Barcelona and a JQI Post-doctoral Fellow at the University of Maryland. He obtained his Ph.D. in 2013 from Universitat Politècnica de Catalunya, and a Diploma in Physics in 2009 from Freie Universität Berlin.
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<th>REGISTRATION FEES</th>
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<td>Fee Waiver</td>
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Lugar

Palacio Miramar

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa