



Synthetic Electronic Quantum Matter (SELEQ)



28.Aug - 30.Aug 2024

Cod. Z19-24

Mod.:

Face-to-face

Edition

2024

Activity type

Workshop

Date

28.Aug - 30.Aug 2024

Location

Miramar Palace

Languages

English

Academic Validity

30 hours

Web

<https://seleq24.dipc.org/>

Organising Committee



Description

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)

Objectives

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.

Course specific contributors



HEZKUNTZA SAILA
DEPARTAMENTO DE EDUCACIÓN

Directed by



Tobias Grass

Donostia International Physics Center (DIPC)

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.

Teachers



Eugene Demler

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Ingmar Swart

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Registration fees

REGISTRATION FEES	UNTIL 18-08-2024
Fee Waiver	0 EUR
Regular fee	350,00 EUR

Place

Miramar Palace

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa