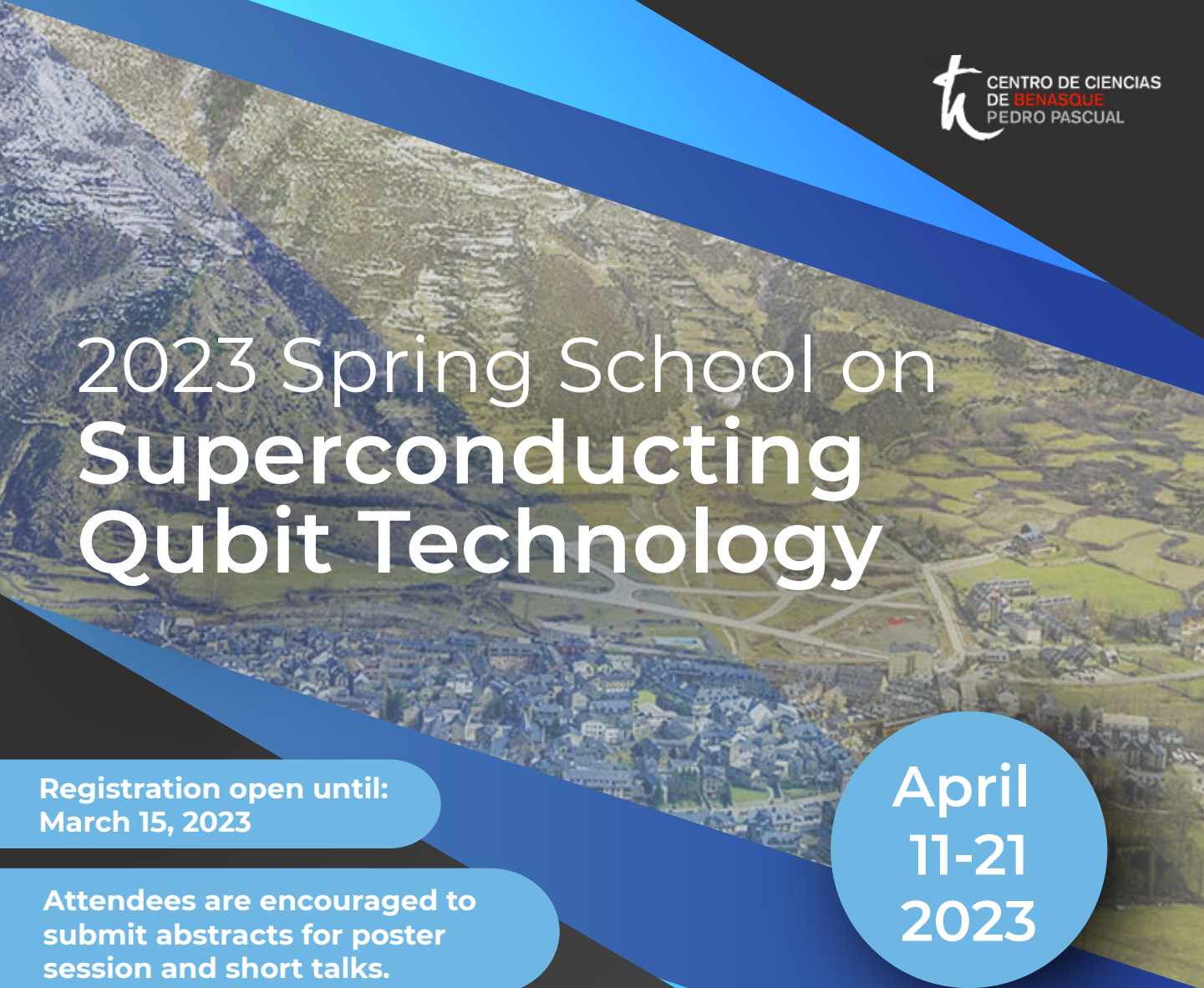


CENTRO DE CIENCIAS DE BENASQUE PEDRO PASCUAL

2023 Spring School on **Superconducting Qubit Technology**

Registration open until: March 15, 2023

Attendees are encouraged to submit abstracts for poster session and short talks.

April 11-21 2023

The aim of the school is to cover the basics as well as specific techniques required to design, fabricate, and operate superconducting quantum devices and their applications. This way, the school will benefit participants with both theoretical and experimental backgrounds. Participants will find available time to interact with each other beyond the lectures. In fact, we encourage the attendees to actively contribute to the school in a self-organized manner. Industry sessions, a company exhibit, a round table and social activities will complete the program to satisfy academic and industrial interests alike.

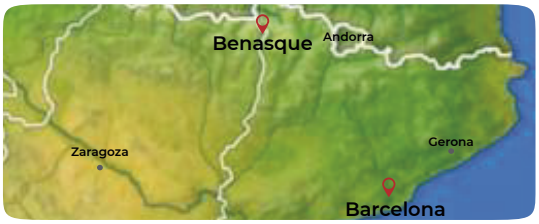
www.benasque.org/2023sqt/

CENTRO DE CIENCIAS DE BENASQUE PEDRO PASCUAL

2023 Spring School on

Superconducting Qubit Technology

The Centro de Ciencias Benasque Pedro Pascual is located in the heart of the Spanish Pyrenees about 300km away from Barcelona. Buses from and to Barcelona will be provided by the school on the 11th and 21st of April.



SPEAKERS

Jens Koch
Introductory Lectures on Superconducting Circuits
Ioan Pop
Sources of Decoherence in Superconducting Devices
Tsuyoshi Yamamoto
Microwave Photonics

Juan José García-Ripoll
Coupling in Superconducting Circuits
Alba Cervera-Lierta
Quantum Algorithms
Arkady Fedorov
Quantum Measurement
Pol Forn-Díaz
Quantum Annealing

Nicolas Roch
Quantum Parametric Amplifiers
Anja Metelmann
Nonreciprocal Devices
Frank Wilhelm-Mauch
Quantum Control
Ioan Pop
Materials and Fabrication

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