



Quantum Information Group Seminars

Speaker: Farzad Qassemi
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TITLE: Physical implementation of a quantum computer: circuit Quantum Electrodynamics (cQED)

ABSTRACT:

cQED provides a unique platform to study both the foundation of QM and the future quantum technologies. For example, Google, IBM, Rigetti, D-Wave are engineering their quantum computers based on this technology. In this talk, first I explain the ingredients of a future quantum computer. Then, I briefly introduce the main ideas behind cQED. Finally, I present my work on bath engineering in these systems.

Place: The department council room (5th floor)

Date: Tuesday 28th of Azar, 3:00 pm.