



Universität
Basel

Research Project

NCCR QSIT: Quantum Information and Communication

Third-party funded project

Project title NCCR QSIT: Quantum Information and Communication

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Co-Investigator(s) Maletinsky, Patrick ; Treutlein, Philipp ;

Organisation / Research unit

Departement Physik / Experimental Physics (Warburton)

Departement Physik / Experimentelle Nanophysik (Treutlein)

Departement Physik / Georg H. Endress-Stiftungsprofessur für Experimentalphysik (Maletinsky)

Department

Project Website <http://www.nccr-qsit.ethz.ch/research/quinfcom>

Project start 01.01.2015

Probable end 31.12.2022

Status Completed

A central theme in Project 3 is the development of small-scale coupled quantum systems for applications in quantum information processing and quantum communication. The proposed activities range from trapped ion and Josephson-junction based quantum information processing, through hybrid systems interfacing solid-state qubits with photons, atoms or ions, to the development of new single-photon detectors.

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