

Lighthouse Lightning Talk - Networked Quantum Systems (7'+3')

Thursday 29 June 2023 10:20 (10 minutes)



Figure 1: Speaker –Andreas Reiserer

Abstract

The NeQuS project aims to establish quantum networks, in which nodes that are located in different research institutes can be linked together by optical photons. The nodes will be based on different hardware, including all major platforms investigated in quantum technology: Superconducting circuits, trapped atoms, nanomechanical resonators, and spins in solids. The long-term vision is to pave the way to a global network of quantum computers, in which distributed quantum tasks including computing, communicating and sensing, can be performed in an efficient, fault-tolerant and provably-secure way.

Presenter: Prof. REISERER, Andreas (TUM)

Session Classification: Quantum Hardware