

# Lighthouse Lightning Talk - Quantum Measurement and Control for the Enablement of Quantum Computing and Quantum Sensing (7'+3')

*Thursday 29 June 2023 10:50 (10 minutes)*



Figure 1: Speaker –Christopher Eichler

## **Abstract**

The interdisciplinary research project address the challenge of controlling individual quantum objects without disturbing the fragile quantum-mechanical coherence. The aim is to develop ultrafast photodetectors and sources of single entangled photons as well as to investigate quantum control involving machine learning.

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**Session Classification:** Quantum Hardware