

Quantum technology and WACQT

Monday 16 June 2025 14:00 (45 minutes)

We are in the middle of what has been called the second quantum revolution, where precise control over systems that obey the laws of quantum physics enable progress in many technologies, e.g., computers, sensors, and communication devices. In this presentation, I will explain what quantum technology is based on and what it can be used for. I will also give an overview of the Swedish efforts in quantum technology through WACQT—the Wallenberg Centre for Quantum Technology. In particular, I will show how we build a Swedish quantum computer based on superconducting circuits in the core project of WACQT at Chalmers University of Technology.

Presenter: Dr KOCKUM, Anton Frisk (Chalmers University of Technology)

Session Classification: Session