

# ICQE 2025



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**Tuesday, 3 June 2025 - Friday, 6 June 2025**

**Centro Culturale Altinate | Padova · Italy**

## Scientific Programme

## **Theme 1. Energy advantage and cost of quantum technology**

This theme addresses the operational energy cost of current and emerging quantum technologies, from both a fundamental and applied point of view. Some of the topics covered by this theme are:

Quantum thermodynamics

Reversible quantum operations

Energy advantage and cost of quantum computing platforms

Thermodynamic role of coherence

Quantum thermal machines