

Session Program

26-27 Feb 2026

Quantum Applications Workshop 2026

Quantum Computing Quantum Information Communication & Criptography

Lecture hall 5

Department of Physical Sciences, Earth and Environment - University of Siena Physics Section, Via
Roma 56, Siena Siena

Thursday 26 February

16:30

Quantum Computing Quantum Information Communication & Cryptography

Session |

Location: Lecture hall 5, Department of Physical Sciences, Earth and Environment - University of Siena Physics Section, Via Roma 56, Siena Siena

16:30-16:55

Learning as the Interface Between Quantum Hardware and AI: From Data-Driven Quantum Design to Quantum-Native Models

Speaker

Matteo Rosati

16:55-17:20

Quantum AI: How Quantum Physics Drives the Next Generation of Secure Artificial Intelligence

Speaker

Antonio Greco

17:20-17:45

Quantum computing: a resource of today or tomorrow?

Speaker

Dr Roberto Cappuccio

17:45-18:10

Mixing reveals spectral and topological structure

Speaker

Stefano Scali

18:15

Friday 27 February

12:10

Quantum Computing Quantum Information Communication & Cryptography

Session |

Location: Lecture hall 5, Department of Physical Sciences, Earth and Environment - University of Siena Physics Section, Via Roma 56, Siena Siena

12:10-12:35

Effective counterdiabatic quantum control

Speaker

Prof. Sandro Wimberger

12:35-13:00

La strada verso il vantaggio quantistico: stato dell'arte di IBM Quantum

Speaker

Federico Mattei

13:00