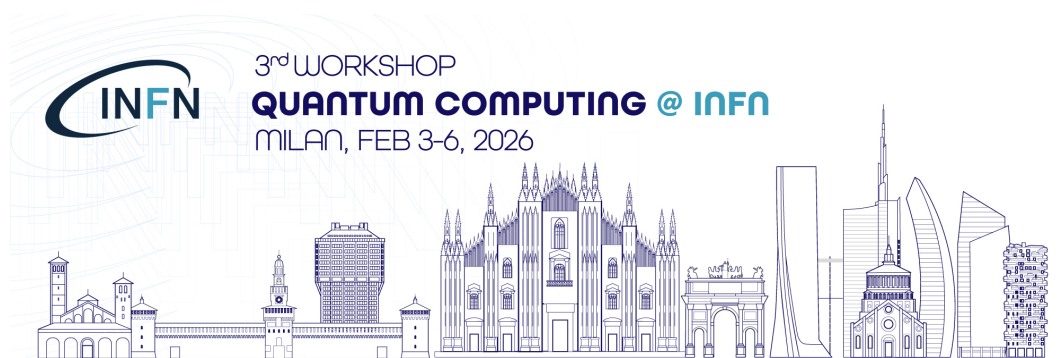


Session Program

3-6 Feb 2026



3rd Workshop on Quantum Computing @ INFN

Quantum Simulation

Auditorium U12 - Guido Martinotti
Università degli Studi di Milano-Bicocca, Edificio U12, Via Vizzola, 5, 20126 Milano (MI)

Wednesday 4 February

14:30

Quantum Simulation

Session |

Location: Auditorium U12 - Guido Martinotti, Università degli Studi di Milano-Bicocca, Edificio U12, Via Vizzola, 5, 20126 Milano (It)
Co-Chairs: Francesco Pederiva, Francesco Pederiva

14:30-14:50

Nuclear dynamics on digital quantum computers

Speaker

Alessandro Roggero

14:55-15:15

Exploring complex quantum many-body dynamics with QuantumTEA

Speaker

Darvin Wanisch

15:20-15:40

Quantum Encoding of Polymer Physics

Speaker

Prof. Pietro Faccioli

15:45-16:05

Collective neutrino oscillations in three flavors on qubit and qutrit processors

Speaker

Luca Spagnoli

16:15

Thursday 5 February

16:45

Quantum Simulation

Session |

Location: Auditorium U12 - Guido Martinotti, Università degli Studi di Milano-Bicocca, Edificio U12, Via Vizzola, 5, 20126 Milano (MI)
Co-Chair: Dr. Marco Cè

16:45-17:05

Lattice Gauge Theory simulations with Quantum Systems

Speaker

Enrico Rinaldi

17:05-17:25

Local fermion-to-qudit mappings

Speaker

Rodolfo Carobene

17:25-17:45

Complex vs. Imaginary Time: Benchmarking Quantum-Inspired Annealing for the SK Spin Glass

Speaker

Shima Amirentezari

17:45-18:05

Quantum state preparation with polynomial resources: Branched-Subspaces Adiabatic Preparation (B-SAP)

Speaker

Davide Cugini

18:05-18:25

Implementation in a quantum computer and quantum phase classification of an anharmonic Lipkin model.

Speaker

ALVARO SAIZ CASTILLO

18:30

Friday 6 February

11:15

Quantum Simulation

Session |

Location: Auditorium U12 - Guido Martinotti, Università degli Studi di Milano-Bicocca, Edificio U12, Via Vizzola, 5, 20126 Milano, Italy
Co-located in: QM, Mezzo Bozzi

11:15-11:35

Modelling and Simulation of Dispersively Coupled Resonator-Qubit Systems under Quantum and Semiclassical Drives

Speaker

Fabio Chiarello

11:40-12:00

Maximum Independent Set via Probabilistic and Quantum Cellular Automata

Speaker

Matteo Grotti

12:05-12:25

Improving VQE Ground State Accuracy via Soft-Coded Orthogonal Subspace Representations

Speaker

Marco Intini

13:00