

Quantum computers: the vision is becoming reality

28th October 2019, Centro Congressi Aule delle Scienze

Chairman: Stefano Carretta (Università di Parma)

14:30-14:45	Paolo Andrei <i>Magnifico Rettore Università di Parma</i>	Welcome and Introduction
14:45-15:10	Michele Grossi <i>IBM Italia</i>	Introduction to Quantum Computation
15:10-15:35	Alessandro Chiesa <i>Università di Parma</i>	Quantum Simulation of magnetic systems
15:35-16:00	Ivano Tavernelli <i>IBM Research Zurich</i>	Quantum Chemistry
		Coffee break
16:25-16:40	Carlo Cavazzoni <i>CINECA</i>	Toward an European HPC infrastructure integrating an exascale system and a quantum- computing module
16:40-17:05	Dario Gerace <i>Università di Pavia</i>	Quantum Machine Learning
17:05-17:30	Michele Amoretti <i>Università di Parma</i>	Quantum Compiling
17:30-18:00		Round table



photo courtesy
of IBM Research

Organizing committee

- Stefano Carretta **UniPR**
- Paolo Santini **UniPR**
- Federico Mattei **IBM Italia**
- Michele Grossi **IBM Italia**