

We are at an exciting inflection point in quantum computing. The disciplines of quantum physics and quantum information science are mature to the point of producing a number of practical algorithms, and today's quantum computers are capable of providing a concrete implementation with which we can explore the possibilities of these techniques. IBM has opened up real and simulated quantum computers for everyone to learn how to program in this new paradigm.

One of the promising applications for quantum computing is in Materials and Chemistry, leading to the discovery of new materials and medicines. Other potential application areas are Business Optimization, where a quantum computer can provide improved solutions to complex optimization problems found in supply chains, logistics, modeling financial data, and risk analysis, or Machine Learning / AI, for instance to speed up the training of classifiers or even build new types of systems.



IBM Q: building the first universal quantum computers for business and science

22 Gennaio 2020 - Ore 15:00

Dipartimento di Informatica
Università degli Studi di Bari Aldo Moro
Sala Consiglio



Federico Mattei
Innovation and Technical Manager
IBM Q Ambassador