

## Introduction to Quantum Computing

**Author:** Ahmed Banafa, Stanford University, USA

This book explores quantum computing as a transformative technology and its applications in cryptography, teleportation, IoT, AI, and Blockchain, and the futurist concept of quantum internet. It explains the fundamentals of quantum computing and how it's different from classic computing, also the challenges facing quantum computing will be discussed, in addition to types of quantum computing, will be introduced and explained. The concept and types of Qubit and its implications on quantum computing applications will be explained.

# Introduction to Quantum Computing

Ahmed Banafa



## River Publishers Series in Computer Engineering and Information Science and Technology

**ISBN:** 9788770228411

**e-ISBN:** 9788770228763

**Available From:** August 2023

**Price:** \$ 39.99

**KEYWORDS:**

IoT, Artificial Intelligence, Cybersecurity, Blockchain, Entanglement, Superposition, Teleportation, Quantum Internet, Quantum Communications, Logical Qubits, Physical Qubits, Quantum Emulator/Simulator, Quantum Annealer, Noisy Intermediate-Scale, Quantum Computer, NISQ, Universal Quantum Computers, Cryptographically Relevant Quantum Computers, CRQC, Post-Quantum, Quantum-Resistant, AI, Quantum Cryptography

