



River Publishers Series in Computer Engineering and Information Science and Technology

Introduction to Quantum Computing

Author: Ahmed Banafa, Stanford University, USA

ISBN: 9788770228411

e-ISBN: 9788770228763

Available From: August 2023

Price: € 0.00

Description:

This book explores quantum computing as a transformative technology and its applications in cryptography, teleportation, IoT, AI, and Blockchain, and the futuristic 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.

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

Denmark Head Office

Alsbjergvej 10
9260 Gistrup
Denmark
www.riverpublishers.com
Email: info@riverpublishers.com

USA Office

Indianapolis, IN
USA
Tel.: +1-3176899634
Email: rajeev.prasad@riverpublishers.com

UK Office

River Publishers
Email: philippa.jefferies@riverpublishers.com