

Quantum Computing and Quantum Cryptography in Future Computers

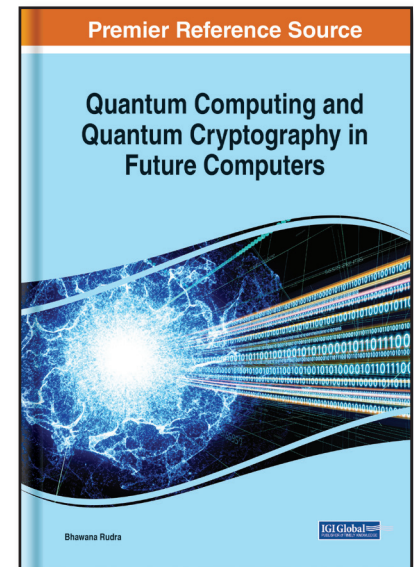
Part of the Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series

Bhawana Rudra (National Institute of Technology, Karnataka, India)

Description:

In recent decades, computing has undergone rapid evolutions and groundbreaking developments that affect almost every sector across the world. The developments of quantum computing and quantum cryptography are similarly revolutionizing computing and security with lasting impacts and implications. Quantum computing and quantum cryptography will pave the path for new opportunities for the future of computing.

Quantum Computing and Quantum Cryptography in Future Computers discusses quantum computing and quantum cryptography principles and their impact on future computers. It includes coverage of the role of quantum computing to overcome the issues of current security methods. It also discusses the application of quantum computing in various areas like security, blockchain, and more. Covering topics such as attack detection, machine learning, and quantum key distribution, this premier reference source is an ideal resource for developers, engineers, practitioners, security experts, students and educators of higher education, librarians, researchers, and academicians.



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Communication Security
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Qiskit

Quantum Circuits
Quantum Computing
Quantum Entanglement
Quantum Gates
Quantum Key Distribution

Subject: Computer Science and Information Technology

Classification: Edited Reference

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