

Handbook of Research on Quantum Computing for Smart Environments

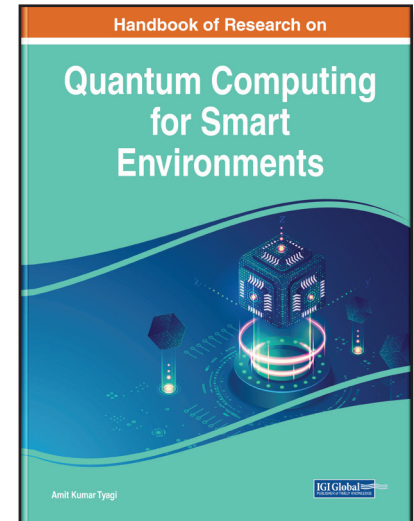
Part of the Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series

Amit Kumar Tyagi (Vellore Institute of Technology Chennai, India)

Description:

Today, computation is an essential component of every technology. However, there has not been much research on quantum computing, even though it has the capability to solve complex problems in an efficient way. Further study is required to fully understand the uses and benefits of this technology.

Handbook of Research on Quantum Computing for Smart Environments presents investigating physical realizations of quantum computers, encoders, and decoders, including photonic quantum realization, cavity quantum electrodynamics, and many more topics on Bits to Qubits. Covering key topics such as machine learning, software, quantum algorithms, and neural networks, this major reference work is ideal for engineers, computer scientists, physicists, mathematicians, researchers, academicians, scholars, practitioners, instructors, and students.



ISBN: 9781668466971

Pages: 400

Copyright: 2023

Release Date: April, 2023

Hardcover: \$325.00

E-Book: \$325.00

**Hardcover +
E-Book:** \$390.00

Topics Covered:

Image Compression
Information Processing
Machine Learning
Neural Networks
Pattern Recognition

Smart Environments
Software
Quantum Algorithms
Quantum Computing
Quantum Mechanics

Subject: Computer Science and Information Technology

Classification: Handbook of Research

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA