

Advancing Cyber Security Through Quantum Cryptography

Part of the Advances in Information Security, Privacy, and Ethics Book Series

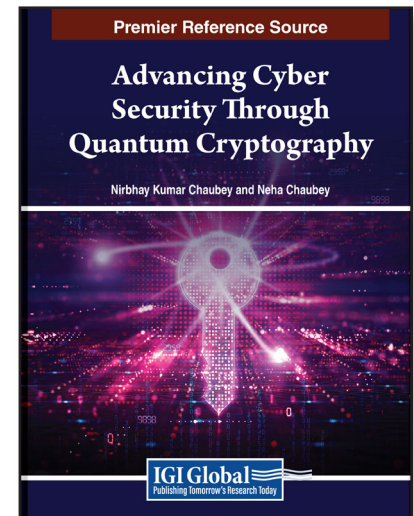
Nirbhay Kumar Chaubey (Ganpat University, India) and Neha Chaubey (Imperial College, London, UK)

Description:

With the increasing power of computing, cybersecurity faces mounting threats, making digital systems more vulnerable to attacks. While modern cryptography used to be compelling, it now shows vulnerabilities against rapidly growing computational capabilities. Therefore, robust security solutions have become urgent in this precarious landscape.

Advancing Cyber Security Through Quantum Cryptography is a book that can guide us through the turbulent waters of cybersecurity and quantum cryptography. It offers a panoramic view of current affairs, insightful analyses, illuminating case studies, and meticulous exploration of challenges and opportunities. Through this book, readers can gain knowledge and navigate this complex terrain. It delves into critical areas where quantum cryptography can fortify cybersecurity defenses, such as secure communications, e-commerce, and quantum internet.

This book is not just an indispensable resource, but a catalyst for collaboration and innovation. It guides cybersecurity experts, policymakers, scholars, and practitioners grappling with the intricacies of cyber-physical systems and quantum computing. By shedding light on existing vulnerabilities, it illuminates the path towards a more secure digital future. By fostering collaboration and innovation, it empowers readers to confront the challenges posed by quantum computing head-on, ensuring that they remain at the vanguard of cybersecurity in an ever-evolving technological landscape.



ISBN: 9798369359617

Pages: 400

Copyright: 2024

Release Date: July, 2024

Hardcover: \$365.00

E-Book: \$365.00

**Hardcover +
E-Book:** \$440.00

Topics Covered:

- Blockchain Security
- Cyber-Attack Detection
- Cybersecurity Architecture
- Cyber-Threat Intelligence
- Distributed Systems Security
- Edge Computing Security
- Forensics
- IoT Security
- Quantum Computing
- Quantum Cryptography
- Quantum E-Commerce
- Quantum Hacking
- Quantum Internet
- Quantum Network
- Software Defined Networks (SDN) Security

Subject: Media & Communications

Classification: Edited Reference

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