

 **Free standard shipping on all orders**

Search by keywords, subject, or ISBN

**BLACK FRIDAY SALE: 25% Off Everything** • Shop Now

Sale ends in: 1d 06h 56m 29s

SAVE £35.00

 [PREVIEW BOOK](#)

1st Edition

Networking Technologies in Smart Healthcare

Innovations and Analytical Approaches

Edited By [Pooja Singh](#), [Omprakash Kaiwartya](#), [Nidhi Sindhvani](#), [Vishal Jain](#),
[Rohit Anand](#)

Copyright 2023

We use cookies to improve your website experience. To learn how to manage your cookie settings, please see our [Cookie Policy](#). By continuing to use the website, you consent to our use of cookies.

[ACCEPT](#)

~~£140.00~~**GBP £105.00**

1



ADD TO CART

PURCHASE LOCALLY

ADD TO WISH LIST

ISBN 9781032145457

398 Pages 68 Color & 14 B/W Illustrations

Published December 20, 2022 by CRC Press

[Request Inspection Copy.](#)

Free Shipping (14-21 Business Days)

[shipping options](#)

Description

This text provides novel smart network systems, wireless telecommunications infrastructures, and computing capabilities to help healthcare systems using computing techniques like IoT, cloud computing, machine and deep learning Big Data along with smart wireless networks. It discusses important topics, including robotics manipulation and analysis in smart healthcare industries, smart telemedicine framework using machine learning and deep learning, role of UAV and drones in smart hospitals, virtual reality based on 5G/6G and augmented reality in healthcare systems, data privacy and security, nanomedicine, and cloud-based artificial intelligence in healthcare systems.

The book:

- Discusses intelligent computing through IoT and Big Data in secure and smart healthcare systems.
- Covers algorithms, including deterministic algorithms, randomized algorithms, iterative algorithms, and recursive algorithms.
- Discusses remote sensing devices in hospitals and local health

We use cookies to improve your website experience. To learn how to manage your cookie settings, please see our Cookie Policy. By continuing to use the website, you consent to our use of cookies.

ACCEPT

This book will be useful for senior undergraduate, graduate students, and academic researchers in areas such as electrical engineering, electronics and communication engineering, computer science, and information technology. Discussing concepts of smart networks, advanced wireless communication, and technologies in setting up smart healthcare services, this text will be useful for senior undergraduate, graduate students, and academic researchers in areas such as electrical engineering, electronics and communication engineering, computer science, and information technology. It covers internet of things (IoT) implementation and challenges in healthcare industries, wireless network, and communication-based optimization algorithms for smart healthcare devices.

Table of Contents

Chapter 1

Smart healthcare in smart city using Wireless Body Area Network and 5G

Gitimayee Sahu, Sanjay. S. Pawar

Chapter 2

Information theory-based fuzzy logic optimization of medical data analytics during the COVID-19 pandemic

Ridhima Mehta

Chapter 3

Internet of Things implementation and challenges during COVID-19 in healthcare industries

P.M.Manohar

Chapter 4

Internet of Medical Things: Reduced energy consumption and data storage

Mohammed Moutaib , Tarik Ahajjam, Mohammed Fattah, Youssef Farhaoui, Badraddine Aghoutane

Chapter 5

Communication and detection of sanitation solutions during epidemics

Singh, David, G. Sanyal, G. Arora

We use cookies to improve your website experience. To learn how to manage your cookie settings, please see our Cookie Policy. By continuing to use the website, you consent to our use of cookies.

ACCEPT

and issues

Yahya Rbah, Mohammed Mahfoudi, Younes Balboul, Mohammed Fattah, Said Mazer, Moulhime Elbekkali, Benaissa Bernoussi

Chapter 7

Impact of Industry 4.0 and Healthcare 4.0 for controlling the various challenges related to healthcare industries

Rekha Narang, Sumit Zokarkar, Shweta Mogre, Ankit Trivedi

Chapter 8

A review on healthcare data privacy and security

Rahul, Sahithi Bommareddy, Monika, Javed Ahmad Khan, Rohit Anand

Chapter 9

Breast cancer detection using microwave imaging

Ajay Kumar, Man Mohan Singh, Ramesh Kumar Verma and Subodh Kumar Tripathi

Chapter 10

IoT implementation and challenges in healthcare industries

Rahul, Sahithi Bommareddy, Monika, Javed Ahmad Khan, Digvijay Pandey

Chapter 11

Cloud-based artificial intelligence in healthcare systems

Ghanshyam Raghuwanshi, Deepak Sinwar, Vijaypal Singh Dhaka, Yogesh Gupta

Chapter 12

Nanomedicine in healthcare: Impact and challenges for future generation

Gunasekaran K, Suthanthira Vanitha N, Radhika K, Suresh P

Chapter 13

IoT for healthcare system: Challenges and opportunities

Jaspinder Kaur, Saarthak

Chapter 14

Automatic heart-rate measurement using facial video

We use cookies to improve your website experience. To learn how to manage your cookie settings, please see our Cookie Policy. By continuing to use the website, you consent to our use of cookies.

ACCEPT

T.K.Revathi, B.Sathiyabhama, S.Sankar, Digvijay Pandey, Binay Kumar
Pandey, Pankaj Dadeech

Chapter 16

Wireless networks and communication based optimization
algorithms for smart health care devices

N.Srikanth, T.Shankar, G.Yamuna

Chapter 17

An IoT approach of managing smart healthcare services

Deena Nath Gupta, Rajendra Kumar

Editor(s)

Shipping Options

We use cookies to improve your website experience. To learn how to
manage your cookie settings, please see our Cookie Policy. By continuing to
use the website, you consent to our use of cookies.

ACCEPT

Book Series

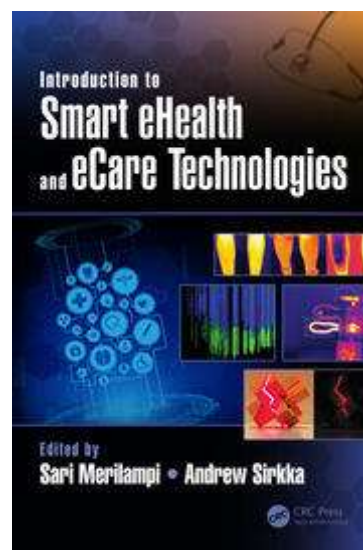
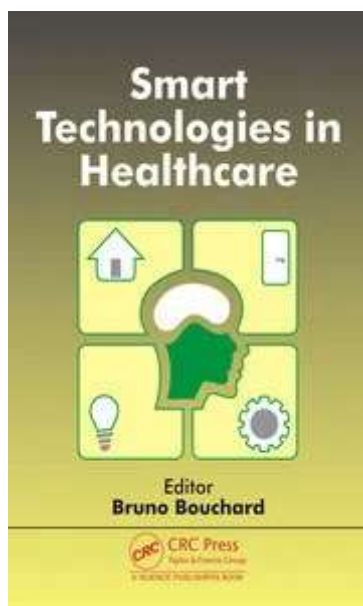
This book is included in the following book series:

- [Wireless Communications and Networking Technologies](#)

Related Subjects

- [Q Networks](#)
- [Q Biomedical Engineering](#)
- [Q Digital & Wireless Communication](#)
- [Q Telecommunications](#)
- [Q Intelligent Systems](#)
- [Q Systems & Control Engineering](#)
- [Q Intelligent Systems](#)
- [Q Systems & Computer Architecture](#)
- [Q Computer Science](#)
- [Q Engineering & Technology](#)
- [Q Communications & Information Processing](#)
- [Q Electrical & Electronic Engineering](#)
- [Q Electronics](#)
- [Q Biomedical Engineering](#)
- [Q Networking Communications](#)
- [Q Intelligent Systems](#)


Frequently Bought Together



We use cookies to improve your website experience. To learn how to manage your cookie settings, please see our Cookie Policy. By continuing to use the website, you consent to our use of cookies.

ACCEPT

CONTACT US

[Customer Service](#)
[Editorial Contacts](#)
[Sales Contacts](#)
[Rights and Permissions](#)
[Become an Affiliate Partner](#) 

FAQS

PARTNERS




OUR PRODUCTS

[eBooks](#)
[eBook+](#)
[Book Series](#)
[Online Platforms](#)
[Open Access Books](#)
[Focus Shortform Books](#)

CUSTOMER RESOURCES

[Authors](#)
[Booksellers](#)
[Instructors](#)
[Librarians](#)
[Press and Media](#)
[Professionals](#)
[Societies and Associations](#)
[Students](#)


ABOUT US

[About Routledge](#)
[About Taylor & Francis](#) 
[Taylor & Francis Journals](#) 
[Careers](#) 

BLOG

TOPICS

POLICIES

[Shipping Information](#)
[Returns and Cancellations](#)
[Terms and Conditions](#)
[Inspection Copies](#)
[Cookie Policy](#)
[Accessibility](#)
[Privacy Policy](#) 

SOCIAL



We use cookies to improve your website experience. To learn how to manage your cookie settings, please see our [Cookie Policy](#). By continuing to use the website, you consent to our use of cookies.

ACCEPT