Contemporary Applications of Data Fusion for Advanced Healthcare Informatics

Part of the Advances in Healthcare Information Systems and Administration Book Series

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Contemporary Applications of Data Fusion for Advanced Healthcare Informatics

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Description:

Blockchain and artificial intelligence (AI) techniques play a crucial role in dealing with large amounts of heterogeneous, multi-scale, and multi-modal data coming from the internet of things (IoT) infrastructures. Therefore, further discussion on how the fusion of blockchain, IoT, and AI allows the design of models, mathematical models, methodologies, algorithms, evaluation benchmarks, and tools to address challenging problems related to health informatics, healthcare, and wellbeing is required.

Contemporary Applications of Data Fusion for Advanced Healthcare Informatics covers the integration of IoT and AI to tackle applications in smart healthcare and discusses the efficient means to collect, monitor, control, optimize, model, and predict healthcare data using blockchain, AI, and IoT. The book also considers the advantages and improvements in the smart healthcare field, in which ubiquitous computing and traditional computational methods alone are often inadequate. Covering key topics such as disruptive technology, electronic health records, and medical data, this premier reference source is ideal for computer scientists, nurses, doctors, industry professionals, researchers, academicians, scholars, practitioners, instructors, and students.
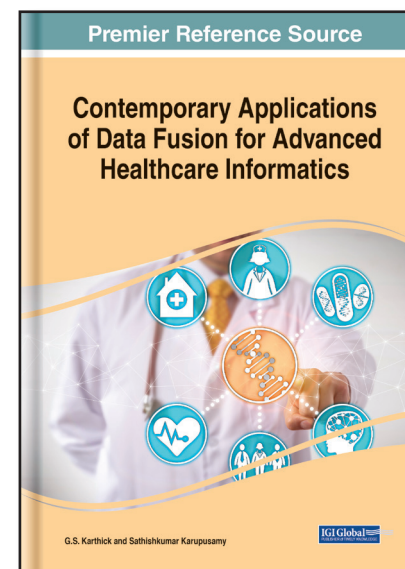
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Hardcover: $325.00   **E-Book:** $325.00   **Hardcover + E-Book:** $390.00

Topics Covered:

- Artificial Intelligence
- Blockchain
- Cyber-Physical Systems
- Data Fusion
- Decision Support
- Disruptive Technology
- Electronic Health Records
- Internet of Things
- Medical Data
- Patient Monitoring

Subject: Medical, Healthcare, and Life Sciences

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

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

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