

Chapman & Hall/CRC Healthcare Informatics Series

Healthcare informatics is concerned with the application of computer science principles, information science principles, information technology, and communication technology to address problems in healthcare and everyday wellness. This new book series serves as a publication venue for innovative technical contributions in healthcare informatics, highlighting end-to-end applications, systems, and technologies.

The series will focus on the three major tracks in healthcare informatics: (1) Systems Track focuses on building healthcare informatics systems (e.g., architecture, framework, design, engineering, and application); (2) Analytics Track focuses on data analytics; and (3) Human Factors Track focuses on understanding users or context, interface design, and user studies of healthcare informatics applications.

We are looking for a broad range of textbooks, references, and handbooks in the following areas:

- Healthcare software architecture, framework, design, and engineering
- Electronic health records
- Medical data mining
- Medical information retrieval
- Medical natural language processing
- Healthcare information systems
- Smart health and well-being
- Social media
- Mobile healthcare
- Medical signal processing
- Human factors in healthcare
- Usability studies in healthcare
- User-interface design for medical devices and healthcare software
- Health service delivery
- Health games
- Security and privacy in healthcare
- Medical recommender systems
- Healthcare workflow management
- Disease profiling and personalized treatment
- Visualization of medical data
- Intelligent medical devices and sensors
- RFID solutions for healthcare
- Healthcare decision analytics and support systems
- Epidemiological surveillance systems and intervention modeling
- Consumer and clinician health information needs
- Semantic Web, linked data, and ontology
- Collaboration technologies for healthcare
- Assistive and adaptive ubiquitous computing technologies
- Statistics and quality of medical data
- Healthcare delivery in developing countries
- Health systems modeling and simulation
- Computer-aided diagnosis

We are also willing to consider other relevant topics that may be proposed by potential contributors.

Series Editor:

Christopher C. Yang

Associate Professor

College of Computing and Informatics • Drexel University

chris.yang@drexel.edu

Proposals for the series may be submitted to the series editor or directly to:

Randi Cohen

Senior Acquisitions Editor - Computer Science

Chapman & Hall/CRC Press

757-240-7501 • randi.cohen@taylorandfrancis.com



WWW.CRCPRESS.COM



CRC Press
Taylor & Francis Group

A CHAPMAN & HALL BOOK