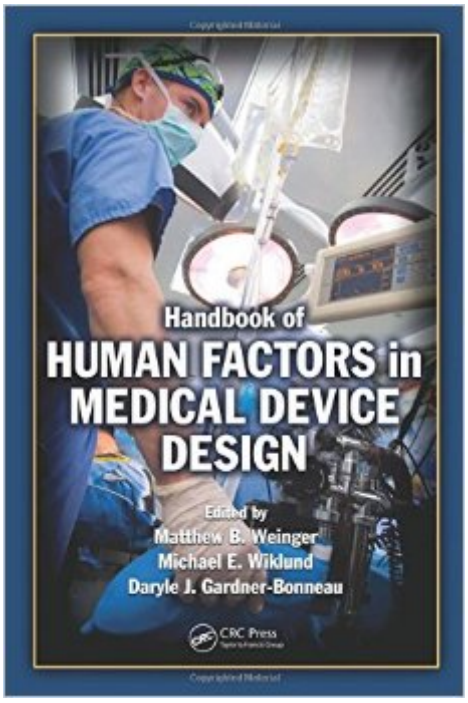
The book was found

Handbook Of Human Factors In Medical Device Design



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

Developed to promote the design of safe, effective, and usable medical devices, Handbook of Human Factors in Medical Device Design provides a single convenient source of authoritative information to support evidence-based design and evaluation of medical device user interfaces using rigorous human factors engineering principles. It offers guidance on user-centric design supported by discussions of design issues, case studies, and examples. The book sets the foundation with coverage of fundamental topics such as aligning the interactive nature of medical devices to the expected use environments ranging from hospitals and ambulances to patientsâ ™ homes, drawing on anthropometric and biomechanical data to ensure that designs match the intended usersâ ™ bodies and physical abilities, and conducting usability tests and other evaluations to ensure that devices perform as intended. It then focuses on applied design issues, offering guidance on the design of specific types of devices and designing devices for particular use environments. Adapted in part from established design standards and conventions, the design guidance presented in this work distills professional judgment extracted from the contributing authorsâ ™ years of experience in applied analysis and design. Written in true handbook style, each chapter stands alone and includes tables, illustrations, and cross references, allowing you to quickly find the exact information you need. Most chapters begin with a general introduction to the selected topic, followed by the presentation of general and special design considerations and then specific, numbered design guidelines. The book also presents a listing of resources, literature, and website references. It not only focuses on the human factors issues that arise when developing medical devices, it supplies the necessary guidance to resolve them.

Book Information

Hardcover: 844 pages
Publisher: CRC Press; 1 edition (December 13, 2010)
Language: English
ISBN-10: 0805856277
ISBN-13: 978-0805856279
Product Dimensions: 7 x 1.8 x 10 inches
Shipping Weight: 3.6 pounds (View shipping rates and policies)
Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)
Best Sellers Rank: #1,086,532 in Books (See Top 100 in Books) #31 inÂ Books > Textbooks > Medicine & Health Sciences > Reference > Instruments & Supplies #58 inÂ Books > Medical

Books > Medicine > Reference > Instruments & Supplies #120 inÂ Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Ergonomics

Customer Reviews

Awesome book. Great recommendations tied to actual science. The science is provided to give a good understanding of the principles and great references for more information.

Download to continue reading...

Handbook of Human Factors in Medical Device Design Handbook of Aviation Human Factors, Second Edition (Human Factors in Transportation (Hardcover)) Conceptual Foundations of Human Factors Measurement (Human Factors and Ergonomics) Human Factors Methods for Design: Making Systems Human-Centered Human Computer Interaction Handbook: Fundamentals, Evolving Technologies, and Emerging Applications, Third Edition (Human Factors and Ergonomics) Human Factors and Ergonomics Design Handbook, Third Edition Medical Terminology: Medical Terminology Made Easy: Breakdown the Language of Medicine and Quickly Build Your Medical Vocabulary (Medical Terminology, Nursing School, Medical Books) Chromecast: Chromecast Easy Guide: Master Your Chromecast Device and Enjoy TV Entertainment With Low-Cost Media Streamer (Chromecast, Chromecast User Guide, Chromecast books, Chromecast Device) How to Add A Device To My Account: How to Add a Device A Human Error Approach to Aviation Accident Analysis: The Human Factors Analysis and Classification System Human Factors In Engineering and Design Measure of Man and Woman: Human Factors in Design Handbook of Occupational Safety and Health (Human Factors and Ergonomics) Design Controls for the Medical Device Industry American Medical Association Complete Medical Encyclopedia (American Medical Association (Ama) Complete Medical Encyclopedia) Interdisciplinary Interaction Design: A Visual Guide to Basic Theories, Models and Ideas for Thinking and Designing for Interactive Web Design and Digital Device Experiences Introduction to Human Factors Engineering (2nd Edition) Human Factors in Simple and Complex Systems, Second Edition Human Factors in Lighting, Third Edition Safety Differently: Human Factors for a New Era, Second Edition

Dmca