Medical Informatics: Computer Applications in Health Care and Biomedicine (Health Informatics)

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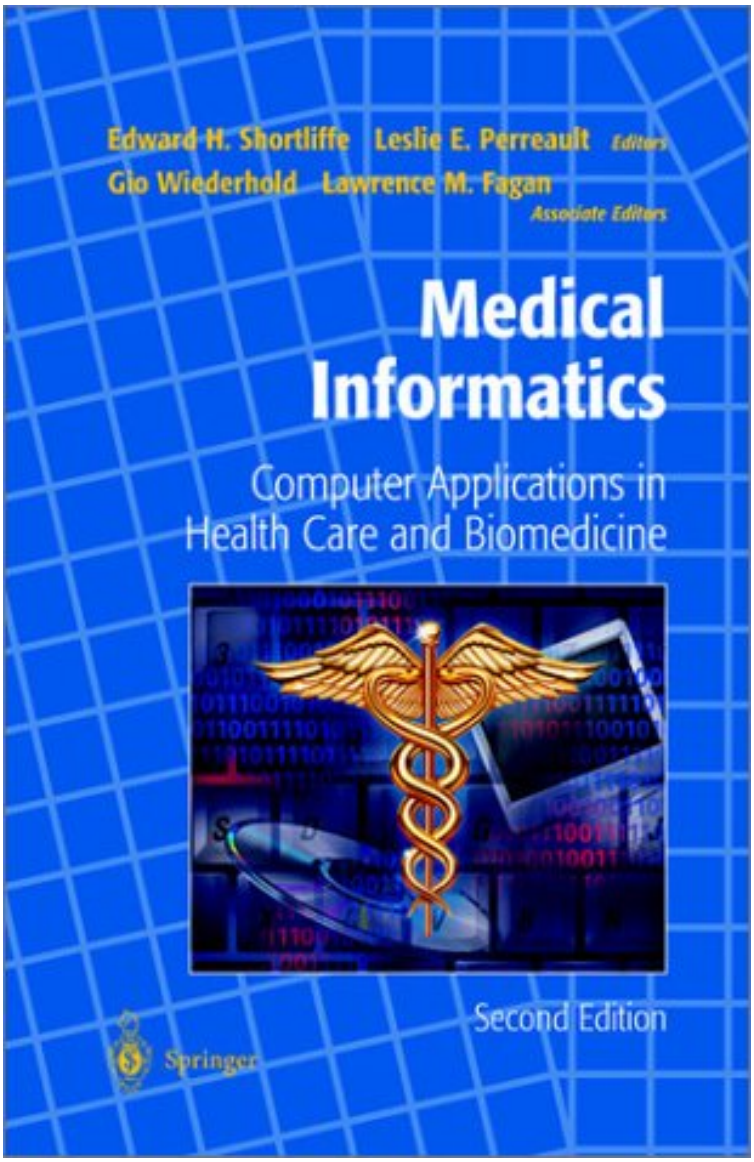

#1490220 in Books 2003-04-30Original language:EnglishPDF # 1 1.77 x 6.32 x 9.62l, #File Name: 0387984720854 pages | File size: 19.Mb

From Springer : Medical Informatics: Computer Applications in Health Care and Biomedicine (Health Informatics) before purchasing it in order to gage whether or not it would be worth my time, and all praised Medical Informatics: Computer Applications in Health Care and Biomedicine (Health Informatics):

3 of 3 people found the following review helpful. For what?By Morgan DonovanIn my opinion overly general information. No algorithms or methods of implementation, even at a high level or schematic. Got it as required reading for a course. 3rd edition is essentially same for real purposes. OK for getting some paper (degree) to advance a bureaucratic or other career, but not really for anything useful. Doesn't mean sales shouldn't be good with AHCA creating a new army of the aforementioned.0 of 0 people found the following review helpful. Came as promisedBy Lori-AnnCame as promised0 of 0 people found the following review helpful. Five StarsBy F. Malkingreat deal

The practice of modern medicine and biomedical research requires sophisticated information technologies with which to manage patient information, plan diagnostic procedures, interpret laboratory results, and carry out investigations. Medical Informatics provides both a conceptual framework and a practical inspiration for this swiftly emerging scientific discipline at the intersection of computer science, decision science, information science, cognitive science, and biomedicine. Now revised and in its second edition, this text meets the growing demand by practitioners, researchers, and students for a comprehensive introduction to key topics in the field. Authored by leaders in medical informatics and extensively tested in their courses, the chapters in this volume constitute an effective textbook for students of medical informatics and its areas of application. The book is also a useful reference work for individual readers needing to understand the role that computer can play in the provision of clinical services and the pursuit of biological questions. The volume is organized so as first to explain basic concepts and the to illustrate them with specific systems and technologies. The book has been extensively revised and updated for this second edition, and new topics include: Standards in Medical Informatics Ethics of Health Informatics: Users, Standards, and Outcomes Evaluation and Technology Assessment Public Health and Consumer uses of Health Information: Education, Research, Policy, Prevention, and Quality Assurance Bioinformatics Edward H. Shortliffe, M.D., Ph.D., is professor and chair of the department of Medical Informatics at Columbia Universitys College of Physicians and Surgeons. A member of the Institute of Medicine and a regent to the American College of Physicians-American Society of Internal Medicine, he is also a fellow of the American College of Medical Informatics and serves on the Presidents Information Technology advisory Committee. Leslie E. Perreault, M.S., is a director at the First Consulting Group in New York City. A graduate of Stanford Universitys training program in medical informatics, she has extensive experience as a consultant to healthcare organizations, especially regarding clinical systems and their integration to the enterprise. Gio Wiederhold, Ph.D., is professor of computer science at Stanford University, with courtesy appointments in Medicine and Electrical Engineering . He is a fellow of the American College of Medical Informatics, the IEEE, and the ACM.

From the reviews of the third edition: "The third edition, renamed Biomedical Informatics in recognition of the converging course of clinical systems with systems that support molecular biology and genetics shows substantial growth in both pages and breadth of coverage relative to earlier editions. overall the book is commendably readable . In addition to its primary audience of students the texts accumulated wisdom and lessons learned can help educate any health professional responsible for selecting information systems to be acquired and used in office and institutional settings." (Daniel Masys, JAMA, Vol. 296 (21), December, 2006) "An introduction to an important area in biomedical informatics with suggested additional reading and highlighted concepts. The book is intended to be used in formal courses by health professions students and by biomedical computing students. In addition, it is designed to serve as a reference for established practitioners, conveying concepts in biomedical informatics while providing illustrative examples. is an essential contribution to enhancing education in biomedical informatics. The update is timely and relevant and it compares especially favorably in breadth as an introductory text." (David M. Liebovitz, Doodys Service, July, 2008)About the AuthorDepartment of Biomedical Informatics, Columbia University Medical Center.