Biomedical Engineering: Bridging Medicine and Technology (Cambridge Texts in Biomedical Engineering)

W. Mark Saltzman
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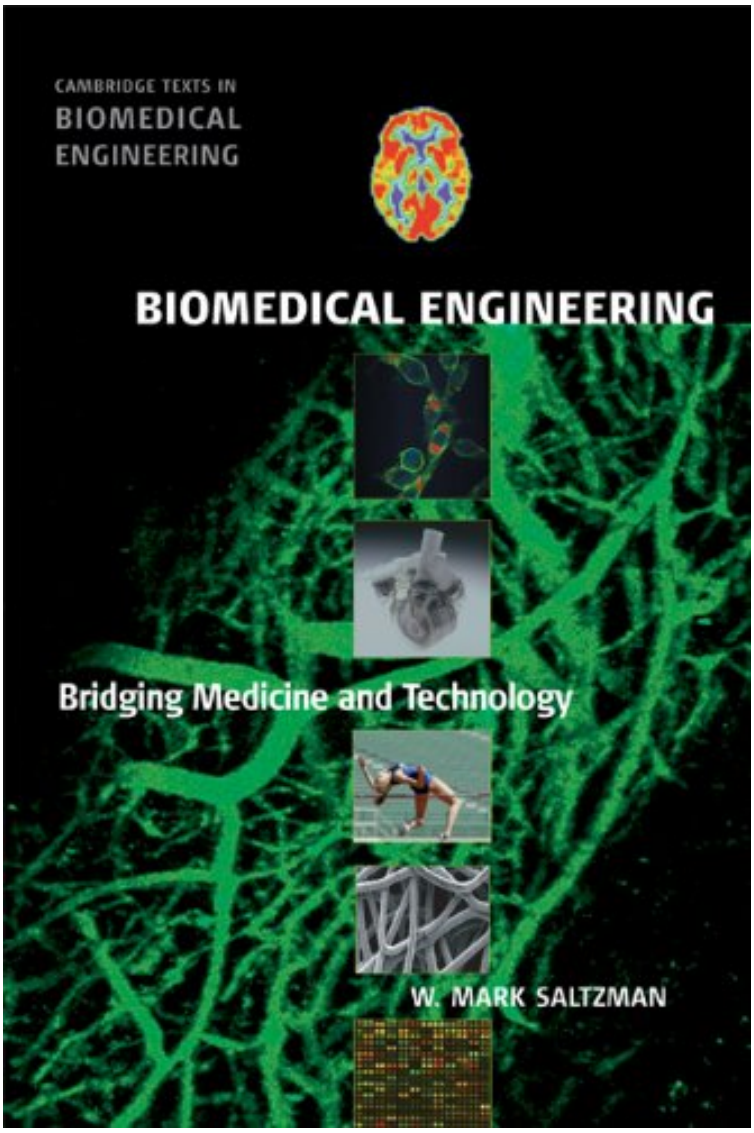

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W. Mark Saltzman : Biomedical Engineering: Bridging Medicine and Technology (Cambridge Texts in Biomedical Engineering) before purchasing it in order to gage whether or not it would be worth my time, and all praised Biomedical Engineering: Bridging Medicine and Technology (Cambridge Texts in Biomedical Engineering):

6 of 6 people found the following review helpful. Great Cheap textbook, no page numbers electronicallyBy Rhea

NovakI bought the kindle edition because it saved me 30 dollars. The kindle application for my computer was super easy to load and is also really easy to use.However, this textbook electronically is al little frustrating. There are no page numbers and the picture (and therefore sometime lengthy descriptions) sometimes interupt your sentence of text for a few "pages" before starting up again. There is no way I can find to view by page and therefore have the picture and captions in the proper place (out of the way) or keep track of how many pages I have read.0 of 0 people found the following review helpful. Five StarsBy anaidaGreat for beginners. The perfect introduction for our career.1 of 1 people found the following review helpful. a good introduction to get you interested in the feildBy RuthieA very interesting textbook. It also describes all the science you need to know to understand the different aspects of Biomedical Engineering. I think I will keep this book after the class, it was very informative for such a petite thing. this finds a way to take a very difficult topic and describe it to sophomores in a way that makes us interested.

This is an ideal text for an introduction to biomedical engineering. The book presents the basic science knowledge used by biomedical engineers at a level accessible to all students and illustrates the first steps in applying this knowledge to solve problems in human medicine. Biomedical engineering now encompasses a range of fields of specialization including bioinstrumentation, bioimaging, biomechanics, biomaterials, and biomolecular engineering. This introduction to bioengineering assembles foundational resources from molecular and cellular biology and physiology and relates them to various sub-specialties of biomedical engineering. The first two parts of the book present basic information in molecular/cellular biology and human physiology; quantitative concepts are stressed in these sections. Comprehension of these basic life science principles provides the context in which biomedical engineers interact. The third part of the book introduces the sub-specialties in biomedical engineering, and emphasizes - through examples and profiles of people in the field - the types of problems biomedical engineers solve.

"Biomedical engineering is the newest of the engineering disciplines, so the cannon of biomedical engineering textbooks is very much a work in progress...Saltzman has written an excellent upper-level textbook on the topics of drug delivery and tissue engineering..highly recommended" - CHOICEAbout the AuthorW. Mark Saltzman is the Goizueta Foundation Professor of Chemical and Biomedical Engineering at Yale University. His research interests include materials for controlled drug delivery, drug delivery to the brain, and tissue engineering. He has taught at Johns Hopkins University and Cornell University and, after joining the Yale faculty in 2002, was named the first Chair of the Department of Biomedical Engineering. Professor Saltzman has published more than 150 research papers, 3 authored books, and 2 edited books, and he is an inventor on 10 patents. His many honors and awards include a Camille and Henry Dreyfus Foundation Teacher-Scholar Award (1990); the Allan C. Davis Medal as Maryland's Outstanding Young Engineer (1995); the Controlled Release Society Young Investigator Award (1996); Fellow of the American Institute of Biological and Medical Engineers (1997); the Professional Progress in Engineering Award from Iowa State University (2000); Britton Chance Distinguished Lecturer in Engineering and Medicine at the University of Pennsylvania (2000); and Distinguished Lecturer of the Biomedical Engineering Society (2004).