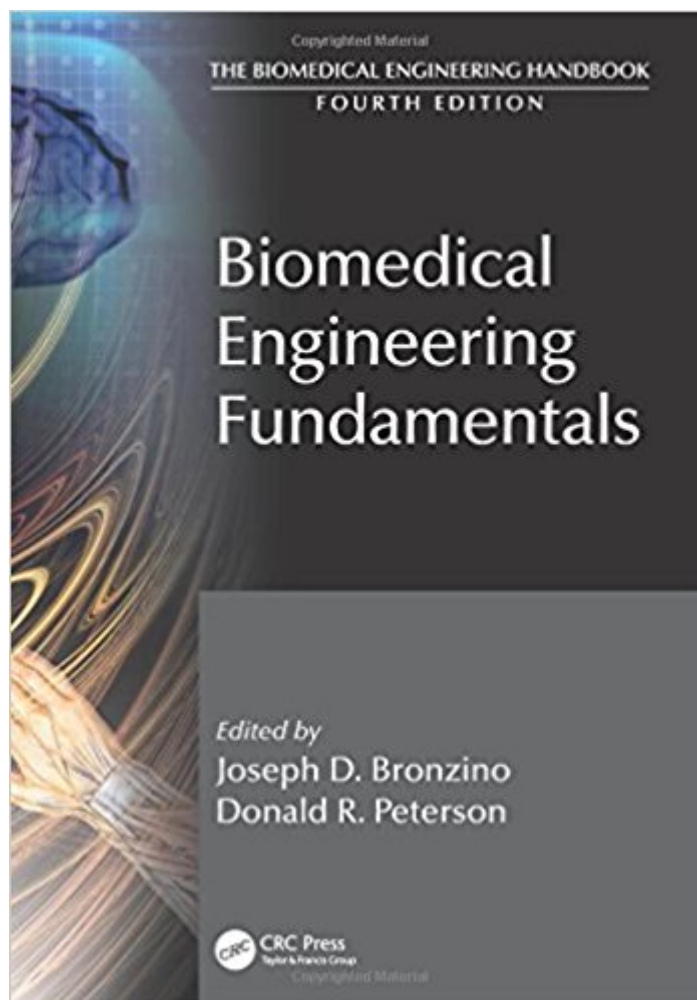




The book was found

Biomedical Engineering Fundamentals (The Biomedical Engineering Handbook, Fourth Edition) (Volume 1)



Synopsis

Known as the bible of biomedical engineering, The Biomedical Engineering Handbook, Fourth Edition, sets the standard against which all other references of this nature are measured. As such, it has served as a major resource for both skilled professionals and novices to biomedical engineering. Biomedical Engineering Fundamentals, the first volume of the handbook, presents material from respected scientists with diverse backgrounds in physiological systems, biomechanics, biomaterials, bioelectric phenomena, and neuroengineering. More than three dozen specific topics are examined, including cardiac biomechanics, the mechanics of blood vessels, cochlear mechanics, biodegradable biomaterials, soft tissue replacements, cellular biomechanics, neural engineering, electrical stimulation for paraplegia, and visual prostheses. The material is presented in a systematic manner and has been updated to reflect the latest applications and research findings.

Book Information

Series: The Biomedical Engineering Handbook, Fourth Edition

Hardcover: 1180 pages

Publisher: CRC Press; 2 edition (December 17, 2014)

Language: English

ISBN-10: 1439825181

ISBN-13: 978-1439825181

Product Dimensions: 2 x 7 x 10 inches

Shipping Weight: 4.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #794,101 in Books (See Top 100 in Books) #144 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Biotechnology](#) #286 in [Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering](#) #488 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Family & General Practice](#)

Customer Reviews

Joseph D. Bronzino is the founder and president of the Biomedical Engineering Alliance and Consortium (BEACON) in Hartford, Connecticut. He earned a PhD in electrical engineering from Worcester Polytechnic Institute in Massachusetts. Dr. Bronzino has received the Millennium Award from IEEE/EMBS and the Goddard Award from Worcester Polytechnic Institute for Professional Achievement. He is the author of more than 200 articles and 11 books. Donald R. Peterson is a

professor of engineering and dean of the College of Science, Technology, Engineering, Mathematics, and Nursing at Texas A&M University – Texarkana. He earned a PhD in biomedical engineering from Worcester Polytechnic Institute in Massachusetts. Dr. Peterson's recent research focuses on measuring and modeling human, organ, and/or cell performance, including exposures to various physical stimuli and the subsequent biological responses. Dr. Peterson has published more than 50 journal articles and 12 reference books.

[Download to continue reading...](#)

Biomedical Engineering Fundamentals (The Biomedical Engineering Handbook, Fourth Edition) (Volume 1) Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) Biomedical Ethics for Engineers: Ethics and Decision Making in Biomedical and Biosystem Engineering (Biomedical Engineering Series) Biomedical Engineering: Bridging Medicine and Technology (Cambridge Texts in Biomedical Engineering) Biomedical Engineering for Global Health (Cambridge Texts in Biomedical Engineering) An Introduction to Modeling of Transport Processes: Applications to Biomedical Systems (Cambridge Texts in Biomedical Engineering) Foundations of Biomedical Ultrasound (Biomedical Engineering Series) Basic Transport Phenomena in Biomedical Engineering, Fourth Edition G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Laser-Tissue Interactions: Fundamentals and Applications (Biological and Medical Physics, Biomedical Engineering) Principles of Biomedical Ethics (Principles of Biomedical Ethics (Beauchamp)) Spellman's Standard Handbook for Wastewater Operators: Fundamentals, Volume I (Spellman's Standard Handbook for Wastewater Operators Series) (Volume 1) Engineering Fundamentals: An Introduction to Engineering (Activate Learning with these NEW titles from Engineering!) Basic Transport Phenomena In Biomedical Engineering (Chemical Engineering) Medical Device Technologies: A Systems Based Overview Using Engineering Standards (Academic Press Series in Biomedical Engineering) Introduction to Biomaterials: Basic Theory with Engineering Applications (Cambridge Texts in Biomedical Engineering) Introduction to Medical Imaging: Physics, Engineering and Clinical Applications (Cambridge Texts in Biomedical Engineering) An Introduction to Rehabilitation Engineering (Series in Medical Physics and Biomedical Engineering) Biomedical Engineering and Human Body Systems (Engineering in Action) Plastic Injection Molding: Product Design & Material Selection Fundamentals (Vol II: Fundamentals of Injection Molding) (Fundamentals of injection molding series)

Contact Us

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)