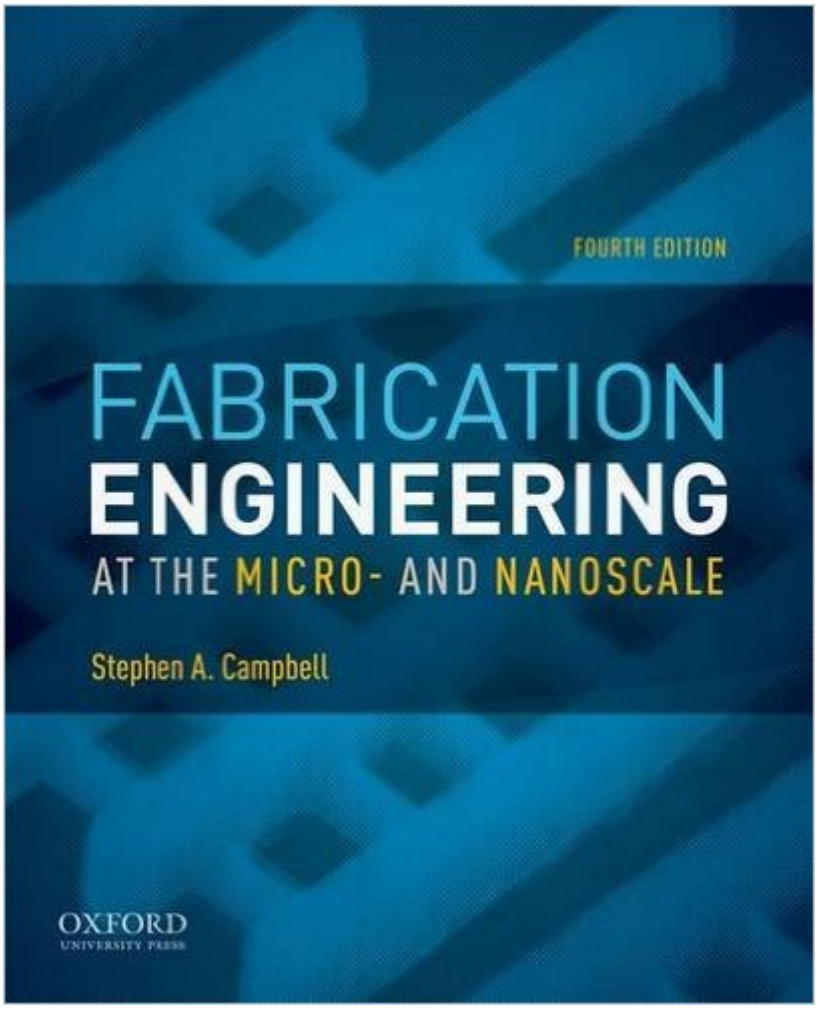
Fabrication Engineering At The Micro- And Nanoscale (The Oxford Series In Electrical And Computer Engineering)



Synopsis

Designed for advanced undergraduate or first-year graduate courses in semiconductor or microelectronic fabrication, Fabrication Engineering at the Micro- and Nanoscale, Fourth Edition, covers the entire basic unit processes used to fabricate integrated circuits and other devices. With many worked examples and detailed illustrations, this engaging introduction provides the tools needed to understand the frontiers of fabrication processes.

Book Information

Series: The Oxford Series in Electrical and Computer Engineering

Paperback: 688 pages

Publisher: Oxford University Press; 4 edition (November 15, 2012)

Language: English

ISBN-10: 0199861226

ISBN-13: 978-0199861224

Product Dimensions: 9.2 x 1.2 x 7.5 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 starsÂ Â See all reviewsÂ (7 customer reviews)

Best Sellers Rank: #270,760 in Books (See Top 100 in Books) #52 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors #89 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Microelectronics #1367 inÂ Books > Textbooks > Engineering

Customer Reviews

I am right now using it as textbook, and this book is just unreadable! I am a graduate student now study electrophysics with a Bachelor background of automation. Honestly, I do lack background of things like solid-state chemistry and electronic materia as background for subject this book is about. However, it is not only the problem that this textbook has, which is NEVER EXPLAINS ANY ESSENTIAL TERMS FOR ANY TOPIC, which makes reading it require a huge amount of additional reading to understand a single term which the author could explain with a single word! Guess what? You will become a freaking chemist after you trying to understand each new term of this book, but you just don’t have that much time in a single semester! The second problem is about equations the author introduced. Yes! The author gave a huge number of equations, WITH A LOT OF UNEXPLAINED ARGUMENT! This is a problem no one can understand even if he has a boundfull background! How should I know what the hell does an unexplained x stand for in a new equation?

This leads to the third problem, the author give a lot of ambiguous description either for readings or problems! Sentence like 'diffusion length is much larger than the widhth of the initial profile' can be find everywhere in reading parts and problems, making you guess like a moron: 'may be the width here means depth? Or is it?' No, you can absolutely find nothing explained what is length here in context!