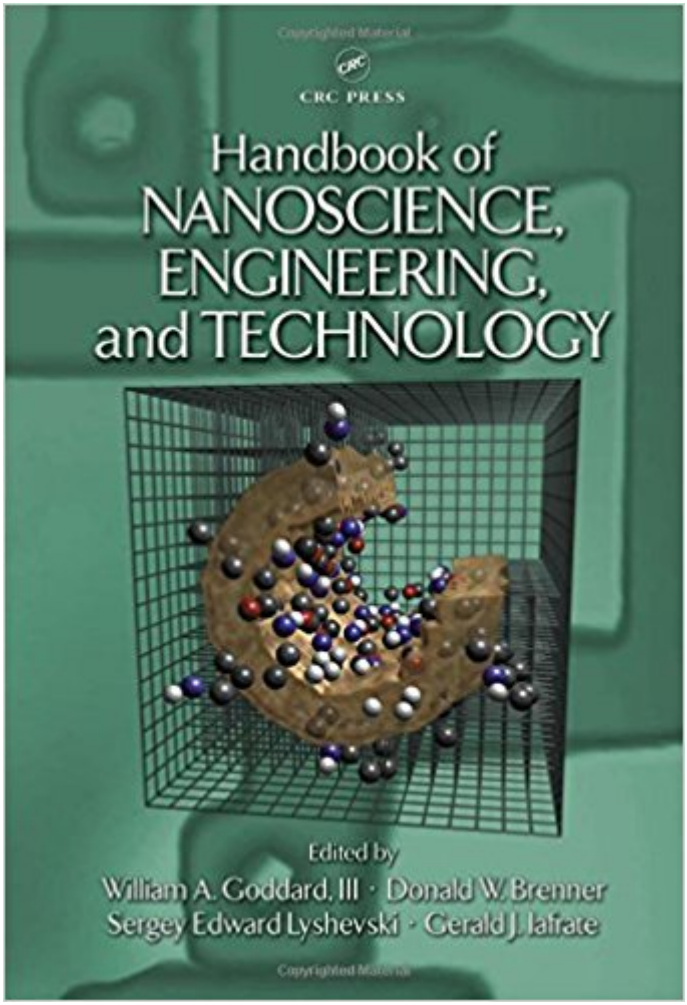
Handbook Of Nanoscience, Engineering, And Technology (Electrical Engineering Handbook)



Synopsis

Nanotechnology, science, and engineering spearhead the 21st century revolution that is leading to fundamental breakthroughs in the way materials, devices, and systems are understood, designed, made, and used. With contributions from a host of world-class experts and pioneers in the field, this handbook sets forth the fundamentals of nanoelectromechanical systems (NEMS), studies their fabrication, and explores some of their most promising applications. It provides comprehensive information and references for nanoscale structures, devices, and systems, molecular technology and nanoelectromechanical theory, and promises to become a standard reference for the field.

Book Information

Series: Electrical Engineering Handbook

Hardcover: 824 pages

Publisher: CRC Press; 1 edition (October 29, 2002)

Language: English

ISBN-10: 0849312000

ISBN-13: 978-0849312007

Product Dimensions: 9.8 x 7.6 x 1.9 inches

Shipping Weight: 3.5 pounds

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Customer Reviews

Developments in science and engineering at the nanoscale are accelerating at a breathtaking pace. Students increasingly need to have an understanding of the new tools, techniques, terminology and knowledge on which these advances are based.This invaluable, wide-ranging and scholarly 'Handbook of Nanoscience' provides exactly that. It brings together the accumulated knowledge of the real luminaries from top nanoscience laboratories, universities and institutes, who have each contributed chapters on topics essential to the aspiring nanoscientist. These topics range from dendrimers to nanoparticle manipulation, and nanotubes to electronics modelling at the nanoscale - it is, in fact, the complete 'toolkit'.This book is an absolute 'must' for all students of nanoscience who are serious about their subject, and supplies the perfect foundation on which to build real specialist

knowledge.-Ottilia Saxl, Institute of Nanotechnology, Scotland, UK

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