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# Nanoparticles and Nanodevices in Biological Applications: The INFN Lectures - Vol I

By -

Springer. Hardcover. Book Condition: New. Hardcover. 198 pages. Dimensions: 9.4in. x 6.1in. x 0.6in. This is the first volume in a series of books on selected topics in nanoscale science and technology, based on lectures given at the well-known Italian Institute for Nuclear Physics (Istituto Nazionale di Fisica Nucleare, or in short INFN) schools of the same name (Nanoscience and Nanotechnology 2006, Nanoscience and Nanotechnology 2007). The aim of this collection is to provide a reference corpus of suitable, introductory material to relevant subfields, as they mature over time, by gathering the significantly expanded and edited versions of tutorial lectures, given over the years by internationally known experts. The field of nanoscience has witnessed a rapid growth in the last decade. Recently, the attention of the community of nanoscientists has been focusing more and more on technological applications. Nanotechnology is an enabling technology, with a high potential impact on virtually all fields of human activity (industrial, health-related, biomedical, environmental, economy, politics, etc.). Its potential yields high expectations for solutions to the main needs of society, although its issues of sustainability and compatibility need to be addressed. The fields of research - application in nanoscience include aerospace, defence, national...



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