



Fundamentals of Microfabrication and Nanotechnology, Third Edition, Three-Volume Set (Mixed media product)

By Marc J. Madou

Taylor Francis Inc, United States, 2011. Mixed media product. Condition: New. 3rd New edition. Language: English . Brand New Book. Now in its third edition, Fundamentals of Microfabrication and Nanotechnology continues to provide the most complete MEMS coverage available. Thoroughly revised and updated the new edition of this perennial bestseller has been expanded to three volumes, reflecting the substantial growth of this field. It includes a wealth of theoretical and practical information on nanotechnology and NEMS and offers background and comprehensive information on materials, processes, and manufacturing options. The first volume offers a rigorous theoretical treatment of micro- and nanosciences, and includes sections on solid-state physics, quantum mechanics, crystallography, and fluidics. The second volume presents a very large set of manufacturing techniques for micro- and nanofabrication and covers different forms of lithography, material removal processes, and additive technologies. The third volume focuses on manufacturing techniques and applications of Bio-MEMS and Bio-NEMS. Illustrated in color throughout, this seminal work is a cogent instructional text, providing classroom and self-learners with worked-out examples and end-of-chapter problems. The author characterizes and defines major research areas and illustrates them with examples pulled from the most recent literature and from his own work.



READ ONLINE
[9.41 MB]

Reviews

Extremely helpful to any or all category of individuals. It really is rally fascinating throug studying time period. I am just quickly could possibly get a pleasure of reading a composed ebook.

-- Lawrence Keeling

This publication may be worthy of a read through, and a lot better than other. It is among the most incredible book we have read through. Your daily life period will be change when you total reading this article publication.

-- Garrett Baumbach