



# Physical Foundations of Solid State and Electron Devices (Mcgraw Hill Series in Electrical and Computer Engineering)

*Altan M. Ferendeci*

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Geared towards students of electrical engineering and physics, this book should be useful on courses such as solid state engineering, semiconductor devices, solid state physics, physical electronics, solid state devices and microelectronic devices. The book starts with the basic fundamentals in quantum mechanics, particle interactions, and ensemble averages and goes on to give students a comprehensive treatment of solid state and electron devices including the challenging and innovative developments in the area. Since optical communication is becoming an integral part of the overall communication systems, the book includes a comprehensive chapter on the subject of optical devices. A chapter on manufacturing technology gives students an appreciation of the uses of various modern semi-conductor devices.

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