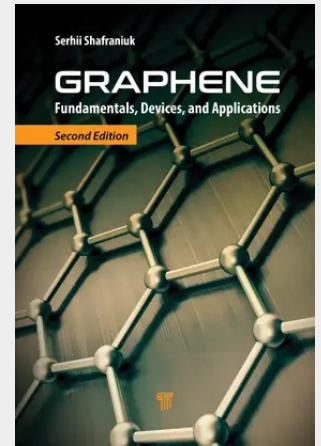


## Graphene

Fundamentals, Devices, and Applications

Graphene, the first known example of a two-dimensional material, represents one of the most significant areas of contemporary research and serves as the foundation for emerging nanoelectronic applications. In field-effect structures, graphene exhibits remarkable physical properties. This book stems from the author's research experience and collaborations with scientists at tertiary institutions, with a strong emphasis on practical applications driven by graphene's unique characteristics. Fundamental concepts are reinforced through end-of-chapter problems, supported by a separate solutions manual. The book is intended for a broad audience, including graduate students, postdoctoral fellows, experienced researchers, and industrial engineers.

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