



## Nanoelectronics and Information Technology

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Providing an introduction to electronic materials and device concepts for the major areas of current and future information technology, the value of this book lies in its focus on the underlying principles. Illustrated by contemporary examples, these basic principles will hold, despite the rapid developments in this field, especially emphasizing nanoelectronics.

There is hardly any field where the links between basic science and application are tighter than in nanoelectronics & information technology. As an example, the design of resonant tunneling transistors, single electron devices or molecular electronic structures is simply inconceivable without delving deep into quantum mechanics.

This textbook is primarily aimed at students of physics, electrical engineering and information technology, as well as material science in their 3rd year and higher. It is equally of interest to professionals wanting a broader overview of this hot topic.

"Nanoelectronics and Information Technology" by Rainer Waser and his colleagues is an outstanding compendium of information about an exciting new field. Owing to its high quality and complete coverage of the many topics in this area, this well referenced book will have a long and very useful life as a primary text for students experienced and new in nanoelectronics. It is a very impressive book." (Richard Siegel)

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