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Introduction to Nanoelectronics

Nanotechnology (NT) is the complex interdisciplinary science including nanoscience, nanochemistry, nanophysics, nanomaterials, nanoelectronics, nanometrology, nanobionics, etc.

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Composed of contributions from top experts, *Microelectronics to Nanoelectronics: Materials, Devices and Manufacturability* offers a detailed overview of important recent scientific and technological developments in the rapidly evolving nanoelectronics arena. Under the editorial guidance and technical expertise of noted materials scientist Anupama B. Kaul of California Institute of Technology's Jet Propulsion Lab, this book captures the ascent of microelectronics into the nanoscale realm. It addresses a wide variety of important

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Introduction to Nanoscience and

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Nanotechnology explains nanotechnology to an audience that does not necessarily have a scientific background. It covers all aspects, including the new areas of biomedical applications and the use of nanotechnology to probe the "quantum vacuum." After discussing the present state of the art in nanotechnology, the book makes estimates of where these technologies are going and what will be possible in the future.

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