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Collana	Devices, circuits, and systems
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Nota di contenuto	Front Cover; Contents; About the Editors; Contributors; Chapter 1 - Carbon Nanotubes: From Electrodynamics to Signal Propagation Models; Chapter 2 - Quasi-Particle Electronic Structure of Pristine and Hydrogenated Graphene on Weakly Interacting Hexagonal Boron Nitride Substrates; Chapter 3 - On the Possibility of Observing Tunable Laser-Induced Bandgaps in Graphene; Chapter 4 - Transparent and Flexible Carbon Nanotube Electrodes for Organic Light-Emitting Diodes; Chapter 5 - Direct Graphene Growth on Dielectric Substrates; Chapter 6 - Aligned Carbon Nanotubes for Interconnect Application Chapter 7 - Monolithic Integration of Carbon Nanotubes and CMOSChapter 8 - Applications of Carbon Nanotubes in Biosensing and Nanomedicine; Chapter 9 - Synthesis of Higher Diamondoids by Pulsed Laser Ablation Plasmas in Supercritical Fluids; Chapter 10 - Molecular Lithography Using DNA Nanostructures; Chapter 11 - CMOS-Compatible Nanowire Biosensors; Chapter 12 - Trace Explosive Sensor Based on Titanium Oxide-B Nanowires; Chapter 13 - Properties of Different Types of Protective Layers on Silver Metallic Nanoparticles for

Sommario/riassunto

Assembling the latest research in the field of nanofabrication technology in one place, this book exposes readers to myriad applications that nanofabrication technology has enabled. With contributions from both academia and industry, this book can be used as a reference, advanced graduate course, or for investers trying to familiarize themselves with the nanofabrication landscape--