



# Power Microelectronics: Device And Process Technologies

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This descriptive textbook provides a clear look at the theories and process technologies necessary for understanding the modern power semiconductor devices, i.e. from the fundamentals of p-n junction electrostatics, unipolar MOSFET and superjunction structures, bipolar IGBT, to the most recent wide bandgap SiC and GaN devices. It also covers their associated semiconductor process technologies. Real examples based on actual fabricated devices, with the process steps described in clear detail are especially useful. This book is suitable for university courses on power semiconductor or power electronic devices. Device designers and researchers will also find this book a good reference in their work, especially for those focusing on the advanced device development and design aspects.

- [Power Lines](#)
- [Power Rangers Samurai : Meet the Rangers](#)
- [Poverty: its Degrees, its Causes and its Relief : A Multidisciplinary Approach to an Urgent Problem](#)
- [The Power of the Smile : Humour in Spanish Culture](#)
- [Power in Flight](#)
- [Poverty Alleviation, Institutional Development and Needs Assessment](#)