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| Soggetti | Electronic circuits Signal processing Image processing Speech processing systems Electronics Microelectronics Circuits and Systems Signal, Image and Speech Processing Electronics and Microelectronics, Instrumentation |
| Lingua di pubblicazione | Inglese |
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| Nota di bibliografia | Includes bibliographical references at the end of each chapters and index. |
| Nota di contenuto | Chapter 1.Introduction -- Chapter 2.State of the art -- Chapter 3. System analysis of mm-wave wireless sensor networks -- Chapter 4. Recti er analysis -- Chapter 5.mm-Wave recti ers -- Chapter 6.mm-Wave monolithic integrated sensor nodes -- Chapter 7.-Wave low-power receiver -- Chapter 8.mm-Wave front-end design for phased array systems -- Chapter 9. Conclusion. |
| Sommario/riassunto | This book describes the PREMISS system, which enables readers to overcome the limitations of state-of-the-art battery-less wireless sensors in size, cost, robustness and range, with a system concept for a 60 GHz wireless sensor system with monolithic sensors. The authors demonstrate a system in which the wireless sensors consist of wireless power receiving, sensing and communication functions in a single chip, without external components, avoiding costly IC-interfaces that are |

sensitive to mechanical and thermal stress.
