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Titolo	Wireless network deployments [[electronic resource] /] / edited by Rajamani Ganesh, Kaveh Pahlavan
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Collana	Kluwer international series in engineering and computer science ; ; SECS 558
Altri autori (Persone)	GaneshRajamani PahlavanKaveh <1951->
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Overview and Issues in Deployments -- Science, Engineering and Art of Cellular Network Deployment -- Comparison of Polarization and Space Diversity in Operational Cellular and PCS Systems -- Use of Smart Antennas to Increase Capacity in Cellular & PCS Networks -- Deployment of CDMA Based Networks -- Optimization of Dual Mode CDMA/AMPS Networks -- Microcell Engineering in CDMA Networks -- Intermodulation Distortion in IS-95 CDMA Handset Transceivers -- Deployment of TDMA Based Networks -- Hierarchical TDMA Cellular Network with Distributed Coverage for High Traffic Capacity -- Traffic Analysis of Partially Overlaid AMPS/ANSI-136 Systems -- Practical Deployment of Frequency Hopping in GSM Networks for Capacity Enhancement -- Deployment of Wireless Data Networks -- General Packet Radio Service (GPRS) -- Wirelesslan Deployments: An Overview -- Wireless LANs Network Deployment in Practice.
Sommario/riassunto	An important aspect of wireless networks is the deployment of their infrastructure. In this book, the Editors have invited a number of experts from industry to write on a variety of topics associated with deployment of digital wireless networks. The first part of the book

consists of an overview of systems design and engineering integration, comparison of polarization and space diversity antenna systems, and the performance of deploying smart antenna architectures in cellular and PCS networks. The second part addresses deployment of CDMA networks, based on IS-95 standards. Here the authors discuss issues related to optimization of overlaid dual model CDMA networks, embedding microcells to improve hot-spot capacity, and mitigation of intermodulation distortion in handsets. Part III deals with deployment of TDMA- based networks. The issues presented include developing hierarchical systems, reconfigurable transceivers, and deploying the GSM frequency hopping feature for enhancing existing traffic capacity. The last part, on Wireless Data Networks, is comprised of issues related to the performance of GPRS systems deployed as an upgrade on current networks and deployment of wireless LANs. Critical issues for deploying an IEEE 802.11-based WLAN are examined. Wireless Network Deployments provides practical engineering guidance for wireless and cellular engineers, researchers, technicians, and managers working in second and third generation digital wireless networks.