1. Record Nr. UNINA9910817770303321

Autore	Okamoto Garret T
Titolo	Smart antenna systems and wireless lans / / Garret T. Okamoto
Pubbl/distr/stampa	Boston, : Kluwer Academic Publishers, c1999
ISBN	1-280-20804-X 9786610208043 0-306-47323-2
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (225 p.)
Collana	The Kluwer international series in engineering and computer science ; ; SECS 474
Disciplina	621.382/4
Soggetti	Adaptive antennas Wireless communication systems Local area networks (Computer networks) - Standards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [197]-204) and index.
Nota di contenuto	Background for Smart Antenna Systems -- IEEE 802.11 Wireless LAN Standard -- Smart Wireless LAN System Design -- Experimental Setup for Smart Antenna Systems -- Experimental Setup for Smart Antenna Systems -- Computer Simulation Results -- Conclusion.
Sommario/riassunto	This book concerns two major topics, smart antenna systems and wireless local-area-networks (LANs). For smart antenna systems, it d-cusses the mechanics behind a smart antenna system, the setup of a smart antenna experimental testbed, and experimental and computer simulation results of various issues relating to smart antenna systems. For wireless LAN systems, it discusses the IEEE 802.11 worldwide wi-less LAN standard, the operation of a wireless LAN system, and some of the technical considerations that must be overcome by a wireless LAN system designer. These two topics are combined in the discussion of the Smart Wireless LAN (SWL) system, which was designed to achieve the benefits which smart antenna systems can provide for wireless LAN systems while still remaining compatible with the 802.11 wireless LAN standard. The design of SWL calls for the replacement of the conv-tional wireless LAN base station (which are called access points in the 802.11 documentation) with an SWL base station, while leaving the -

dividual terminal operation as unchanged as possible.