

1. Record Nr.	UNINA9910142529803321
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Titolo	Adaptive wireless transceivers : turbo-coded, turbo-equalized and space-time coded TDMA, CDMA, and OFDM systems // L. Hanzo, C.H. Wong, M.S. Yee.
Pubbl/distr/stampa	[Hoboken, New Jersey] : , : Wiley, 2002 [Piscataway, New Jersey] : , : IEEE Xplore, , [2002]
ISBN	1-280-55556-4 9786610555567 0-470-84776-X
Edizione	[1st ed.]
Descrizione fisica	1 PDF (xiv, 737 pages) : illustrations
Altri autori (Persone)	WongC. H YeeM. S
Disciplina	621.3845
Soggetti	Radio - Transmitter-receivers Modulation (Electronics) Wireless communication systems Adaptive filters Adaptive antennas
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 687-712) and index.
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Sommario/riassunto

Adaptive Wireless Transceivers provides the reader with a broad overview of near-instantaneously adaptive transceivers in the context of TDMA, CDMA and OFDM systems. The adaptive transceivers examined employ powerful turbo codecs, turbo equalisers and space-time codecs, equipping the reader with a future-proof technological road map. It demonstrates that adaptive transceivers are capable of mitigating the channel quality fluctuations of the wireless channel as a lower-complexity alternative to space-time coding. By contrast, if the higher complexity of multiple transmitters and multiple receiver-assisted systems is deemed acceptable, the advantages of adaptability erode. . Provides an in-depth introduction to channel equalisers and Kalman filtering and discusses the associated complexity versus performance trade-offs . Introduces wideband near-instantaneously adaptive transceivers and studies their performance both with and without turbo channel coding . Describes how to optimise adaptive modulation mode switching and highlights a range of practical considerations . Introduces neural network based channel equalisers and discusses Radial Basis Function (RBF) assisted equalisers embedded into adaptive modems supported by turbo channel coding and turbo channel equalisation . Employs the above adaptive principles also in the context of CDMA and OFDM transceivers and discusses the pros and cons of space-time coding versus adaptive modulation. Researchers, advanced students and practising development engineers working in wireless communications will all find this valuable text an informative read.

2. Record Nr.	UNINA9910796224603321
Autore	Margaretten Emily
Titolo	Street life under a roof : youth homelessness in South Africa / / Emily Margaretten
Pubbl/distr/stampa	Urbana, [Illinois] : , : University of Illinois Press, , 2015 ©2015
ISBN	0-252-09769-6
Descrizione fisica	1 online resource (233 p.)
Collana	Interpretations of Culture in the Millennium
Disciplina	305.2350968
Soggetti	Youth, Black - South Africa Marginality, Social - South Africa Homeless youth - South Africa Homeless teenagers - South Africa South Africa Sudafrica Durban
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 and index.
Nota di contenuto	Shelter hopping -- Standing (K)in -- Love, betrayal, and sexual intimacy -- Love, respect, and masculinity -- Residing with the spectral -- Homecomings.
Sommario/riassunto	Point Place stands near the city centre of Durban, South Africa. Condemned and off the grid, the five-story apartment building is nonetheless home to a hundred-plus teenagers and young adults marginalised by poverty and chronic unemployment. In this work, Emily Margaretten draws on ten years of up-close fieldwork to explore the distinct cultural universe of the Point Place community. Her sensitive investigations reveal how young men and women draw on customary notions of respect and support to forge an ethos of connection and care that allows them to live far richer lives than ordinarily assumed.