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| Pubbl/distr/stampa      | Cambridge : , : Cambridge University Press, , 2013  |
| ISBN                    | 1-107-06558-5<br>1-316-09037-X<br>1-107-05483-4<br>1-107-05950-X<br>1-139-51946-8<br>1-107-05815-5<br>1-107-05593-8<br>1-107-05700-0  |
| Descrizione fisica      | 1 online resource (xix, 598 pages) : digital, PDF file(s)   |
| Disciplina              | 621.384   |
| Soggetti                | MIMO systems<br>Wireless communication systems<br>Adaptive signal processing  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Title from publisher's bibliographic system (viewed on 05 Oct 2015).  |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | History -- Notational and mathematical preliminaries...   |
| Sommario/riassunto      | Adopting a balanced mix of theory, algorithms and practical design issues, this comprehensive volume explores cutting-edge applications in adaptive wireless communications and the implications these techniques have for future wireless network performance. Presenting practical concerns in the context of different strands from information theory, parameter estimation theory, array processing and wireless communication, the authors present a complete picture of the field. Topics covered include advanced multiple-antenna adaptive processing, ad hoc networking, MIMO, MAC protocols, space-time coding, cellular networks and cognitive radio, with the significance and |

effects of both internal and external interference a recurrent theme throughout. A broad, self-contained technical introduction to all the necessary mathematics, statistics, estimation theory and information theory is included, and topics are accompanied by a range of engaging end-of-chapter problems. With solutions available online, this is the perfect self-study resource for students of advanced wireless systems and wireless industry professionals.

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