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   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.