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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface. -- Contributors. -- 1 Overview of Multiuser Detection (Michael L. Honig). -- 1.1 Introduction. -- 1.2 Matrix Channel Model. -- 1.3 Optimal Multiuser Detection. -- 1.4 Linear Detectors. -- 1.5 Reduced-Rank Estimation. -- 1.6 Decision-Feedback Detection. -- 1.7 Interference Mitigation at the Transmitter. -- 1.8 Overview of Remaining Chapters. -- References. -- 2 Iterative Techniques (Alex Grant and Lars K. Rasmussen). -- 2.1 Introduction. -- 2.2 Iterative Joint Detection for Uncoded Data. -- 2.3 Iterative Joint Decoding for Coded Data. -- 2.4 Concluding Remarks. -- References. -- 3 Blind Multiuser Detection in Fading Channels (Daryl Reynolds, H. Vincent Poor, and Xiaodong Wang). -- 3.1 Introduction. -- 3.2 Signal Models and Blind Multiuser Detectors for Fading Channels. -- 3.3 Performance of Blind Multiuser Detectors. -- 3.4 Bayesian Multiuser Detection for Long-Code CDMA. -- 3.5 Multiuser Detection for Long-Code CDMA in Fast-Fading Channels. -- 3.6 Transmitter-Based Multiuser Precoding for Fading Channels. -- 3.7 Conclusion. -- References. -- 4 Performance with Random Signatures (Matthew J. M. Peacock, Iain B. Collings, and Michael L. Honig). -- 4.1 Random Signatures and Large System Analysis. -- 4.2 System Models. -- 4.3 Large System Limit. -- 4.4 Random Matrix Terminology. -- 4.5 Incremental Matrix Expansion. --

4.6 Analysis of Downlink Model. -- 4.7 Spectral Efficiency. -- 4.8 Adaptive Linear Receivers. -- 4.9 Other Models and Extensions. -- 4.10 Bibliographical Notes. -- References. -- 5 Generic Multiuser Detection and Statistical Physics <Dongning Guo and Toshiyuki Tanaka). -- 5.1 Introduction. -- 5.2 Generic Multiuser Detection. -- 5.3 Main Results: Single-User Characterization. -- 5.4 The Replica Analysis of Generic Multiuser Detection. -- 5.5 Further Discussion. -- 5.6 Statistical Physics and the Replica Method. -- 5.7 Interference Cancellation. -- 5.8 Concluding Remarks. -- 5.9 Acknowledgments. -- References. -- 6 Joint Detection for Multi-Antenna Channels (Antonia Tulino, Matthew R. McKay, Jeffrey G. Andrews,, Iain B. Collings, and Robert W. Heath, Jr.). -- 6.1 Introduction. -- 6.2 Wireless Channels: The Multi-Antenna Realm. -- 6.3 Definitions and Preliminaries. -- 6.4 Multi-Antenna Capacity: Ergodic Regime. -- 6.5 Multi-Antenna Capacity: Non-Ergodic Regime. -- 6.6 Receiver Architectures and Performance. -- 6.7 Multiuser Multi-Antenna Systems. -- 6.8 Diversity-Multiplexing Tradeoffs and Spatial Adaptation. -- 6.9 Conclusions. -- References. -- 7 Interference Avoidance for CDMA Systems (Dimitrie C. Popescu, Sennur Ulukus, Christopher Rose, and Roy Yates). -- 7.1 Introduction. -- 7.2 Interference Avoidance Basics. -- 7.3 Interference Avoidance over Time-Invariant Channels. -- 7.4 Interference Avoidance in Fading Channels. -- 7.5 Interference Avoidance in Asynchronous Systems. -- 7.6 Feedback Requirements for Interference Avoidance. -- 7.7 Recent Results on Interference Avoidance. -- 7.8 Summary and Conclusions. -- References. -- 8 Capacity-Approaching Multiuser Communications Over Multiple Input/Multiple Output Broadcast Channels (Uri Erez and Stephan ten Brink). -- 8.1 Introduction. -- 8.2 Many-to-One Multiple Access versus One-to-Many Scalar Broadcast Channels. -- 8.3 Alternative Approach: Dirty Paper Coding. -- 8.4 A Simple 2 x 2 Example. -- 8.5 General Gaussian MIMO Broadcast Channels. -- 8.6 Coding with Side Information at the Transmitter. -- 8.7 Summary. -- References. -- Index.

Sommario/riassunto

A Timely Exploration of Multiuser Detection in Wireless Networks During the past decade, the design and development of current and emerging wireless systems have motivated many important advances in multiuser detection. This book fills an important need by providing a comprehensive overview of crucial recent developments that have occurred in this active research area. Each chapter is contributed by noted experts and is meant to serve as a self-contained treatment of the topic. Coverage includes: . Linear and decision feedback methods. Iterative multiuser detection and decoding. Multiuser detection in the presence of channel impairments. Performance analysis with random signatures and channels. Joint detection methods for MIMO channels. Interference avoidance methods at the transmitter. Transmitter precoding methods for the MIMO downlink This book is an ideal entry point for exploring ongoing research in multiuser detection and for learning about the field's existing unsolved problems and issues. It is a valuable resource for researchers, engineers, and graduate students who are involved in the area of digital communications.

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Titolo	Cinematic intermediality : theory and practice / / edited by Kim Knowles and Marion Schmid
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Collana	Edinburgh studies in film and intermediality
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Soggetti	Motion pictures and the arts Intermediality Motion pictures - Criticism and interpretation
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Cinematic Intermediality -- Copyright -- Contents -- Figures -- Acknowledgements -- The Contributors -- Introduction -- Part 1 Mapping the Interzone -- 1 Film and Performance: Intermedial Intersections -- 2 Carving Cameras: Antonioni's <i>Lo Sguardo di</i> <i>Michelangelo</i> (2004) -- 3 The Photo-filmic and the Post-human: Picturesque Landscapes at the Peripheries of Global Cinema -- 4 Dream Screen: On Cinema and Painting, Blur and Absorption -- Part 2 The Intermedial Avant-gardes -- 5 From the Periphery to the Interstices: Avant-garde Film, Medium Specificity and Intermediality, 1970-2015 -- 6 The 'Artist as Filmmaker': Modernisms, Schisms, Misunderstandings -- 7 The Artwork/Statement as Intermedial Nexus: Paul Sharits's N:O:T:H:I:N:G -- Part 3 Technology, Apparatus, Affect -- 8 Intermediality and the Origins of Cinema -- 9 Cinematography's Blind Spots: Artistic Exploitations of the Film Frame -- 10 Filming and Feeling between the Arts: Pascale Breton, <i>Suite armoricaine</i> , and Eugene Green, <i>Le Fis de Joseph</i> -- Part 4 Intermedial Creation -- 11 What Does a Dance Filmmaker See? -- 12 Performance, Moving Image, Installation: The Making of <i>Body of War</i> and <i>Faith</i> -- 13 Muybridge's Disobedient Horses: Non-stop Stop-motion -- 14 A Dialogue with Claude Cahun: Between Writing, Photography and Film in <i>Magic Mirror</i> and <i>Confessions to the Mirror</i> -- Index.

Sommario/riassunto

This edited collection proposes new directions for understanding cinematic intermediality, mapping out innovative approaches to film's relationship with some of its most influential artistic predecessors in the fields of performance, sculpture, painting, photography and dance.
