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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	MIMO Systems: Benefits and Drawbacks -- Parasitic Antenna Arrays: The Antenna Perspective -- BeamSpace MIMO and Degrees of Freedom -- Transmitter Techniques -- Receiver Techniques -- Antenna System Design for BeamSpace-MIMO -- Over-the-air Proof of Concepts -- Applications, Standards and Open Issues.
Sommario/riassunto	This book covers a cross-section of two technologies: parasitic antenna arrays driven via analogue circuits; and MIMO technology for multi-antenna arrays. The combination of these two technologies results in novel functionality. Relevant technical angles, ranging from theoretic to electromagnetic considerations; from analogue circuit to digital baseband control for signal generation; and from channel modeling to communication theoretic aspects are detailed by the contributors. Potential applications are considered in conjunction with current and upcoming wireless standards is provided.