

1. Record Nr.	UNINA9910877148403321
Titolo	MIMO radar signal processing // edited by Jian Li, Petre Stoica
Pubbl/distr/stampa	Hoboken, NJ, : J. Wiley & Sons, c2009
ISBN	1-281-93763-0 9786611937638 0-470-39148-0 0-470-39143-X
Descrizione fisica	1 online resource (468 p.)
Classificazione	ELT 733f ZN 6500
Altri autori (Persone)	LiJian, Ph. D., <1965-> StoicaPetre
Disciplina	621.3848
Soggetti	Radar MIMO systems
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.
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Sommario/riassunto

The first book to present a systematic and coherent picture of MIMO radars. Due to its potential to improve target detection and discrimination capability, Multiple-Input and Multiple-Output (MIMO) radar has generated significant attention and widespread interest in academia, industry, government labs, and funding agencies. This important new work fills the need for a comprehensive treatment of this emerging field. Edited and authored by leading researchers in the field of MIMO radar research, this book introduces recent developments in the area of MIMO radar to stimulate new concepts, theories, and applications of the topic, and to foster further cross-fertilization of ideas with MIMO communications. Topical coverage includes: . Adaptive MIMO radar. Beam pattern analysis and optimization for MIMO radar. MIMO radar for target detection, parameter estimation, tracking,

association, and recognition. MIMO radar prototypes and measurements. Space-time codes for MIMO radar. Statistical MIMO radar. Waveform design for MIMO radar Written in an easy-to-follow tutorial style, MIMO Radar Signal Processing serves as an excellent course book for graduate students and a valuable reference for researchers in academia and industry
