



MIMO Radar Signal Processing

By Jian Li, Petre Stoica

Download now

Read Online →

MIMO Radar Signal Processing By Jian Li, Petre Stoica

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
- Beampattern 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.

 [Download MIMO Radar Signal Processing ...pdf](#)

 [Read Online MIMO Radar Signal Processing ...pdf](#)

MIMO Radar Signal Processing

By Jian Li, Petre Stoica

MIMO Radar Signal Processing By Jian Li, Petre Stoica

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.

MIMO Radar Signal Processing By Jian Li, Petre Stoica Bibliography

- Sales Rank: #932597 in Books
- Published on: 2008-10-20
- Original language: English
- Number of items: 1
- Dimensions: 9.37" h x 1.07" w x 6.46" l, 1.74 pounds
- Binding: Hardcover
- 448 pages

 [Download MIMO Radar Signal Processing ...pdf](#)

 [Read Online MIMO Radar Signal Processing ...pdf](#)

Editorial Review

From the Back Cover

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.

About the Author

Jian Li, PhD, is Professor and Director of the Spectral Analysis Laboratory of the Department of Electrical and Computer Engineering at the University of Florida. She has coedited one book, coauthored one book and four book chapters, and published approximately 300 refereed technical conference contributions and journal papers, many of which are on topics related to array signal processing.

Petre Stoica, PhD, is Professor of System Modeling in the Information Technology Department at Uppsala University, Sweden. He has coedited two books, coauthored nine books, and published approximately 500 refereed technical conference contributions and journal papers, many of which are on topics related to array signal processing.

Users Review

From reader reviews:

Lottie Jowers:

Do you have favorite book? In case you have, what is your favorite's book? Book is very important thing for us to know everything in the world. Each reserve has different aim or goal; it means that publication has different type. Some people truly feel enjoy to spend their a chance to read a book. These are reading whatever they consider because their hobby will be reading a book. How about the person who don't like

reading through a book? Sometime, person feel need book whenever they found difficult problem as well as exercise. Well, probably you will require this MIMO Radar Signal Processing.

Jesse Harrison:

As people who live in the modest era should be upgrade about what going on or info even knowledge to make all of them keep up with the era and that is always change and make progress. Some of you maybe will certainly update themselves by reading books. It is a good choice for you but the problems coming to an individual is you don't know what kind you should start with. This MIMO Radar Signal Processing is our recommendation to help you keep up with the world. Why, because this book serves what you want and wish in this era.

Brandy Felts:

People live in this new day time of lifestyle always try and and must have the extra time or they will get wide range of stress from both way of life and work. So , once we ask do people have free time, we will say absolutely yes. People is human not a robot. Then we request again, what kind of activity do you possess when the spare time coming to you actually of course your answer can unlimited right. Then do you ever try this one, reading ebooks. It can be your alternative within spending your spare time, the actual book you have read is MIMO Radar Signal Processing.

Betty Peoples:

MIMO Radar Signal Processing can be one of your beginning books that are good idea. All of us recommend that straight away because this publication has good vocabulary that could increase your knowledge in vocabulary, easy to understand, bit entertaining but nonetheless delivering the information. The writer giving his/her effort to get every word into enjoyment arrangement in writing MIMO Radar Signal Processing although doesn't forget the main position, giving the reader the hottest along with based confirm resource info that maybe you can be one of it. This great information can draw you into brand new stage of crucial contemplating.

**Download and Read Online MIMO Radar Signal Processing By
Jian Li, Petre Stoica #T3KIGSE7XNZ**

Read MIMO Radar Signal Processing By Jian Li, Petre Stoica for online ebook

MIMO Radar Signal Processing By Jian Li, Petre Stoica Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read MIMO Radar Signal Processing By Jian Li, Petre Stoica books to read online.

Online MIMO Radar Signal Processing By Jian Li, Petre Stoica ebook PDF download

MIMO Radar Signal Processing By Jian Li, Petre Stoica Doc

MIMO Radar Signal Processing By Jian Li, Petre Stoica Mobipocket

MIMO Radar Signal Processing By Jian Li, Petre Stoica EPub

T3KIGSE7XNZ: MIMO Radar Signal Processing By Jian Li, Petre Stoica