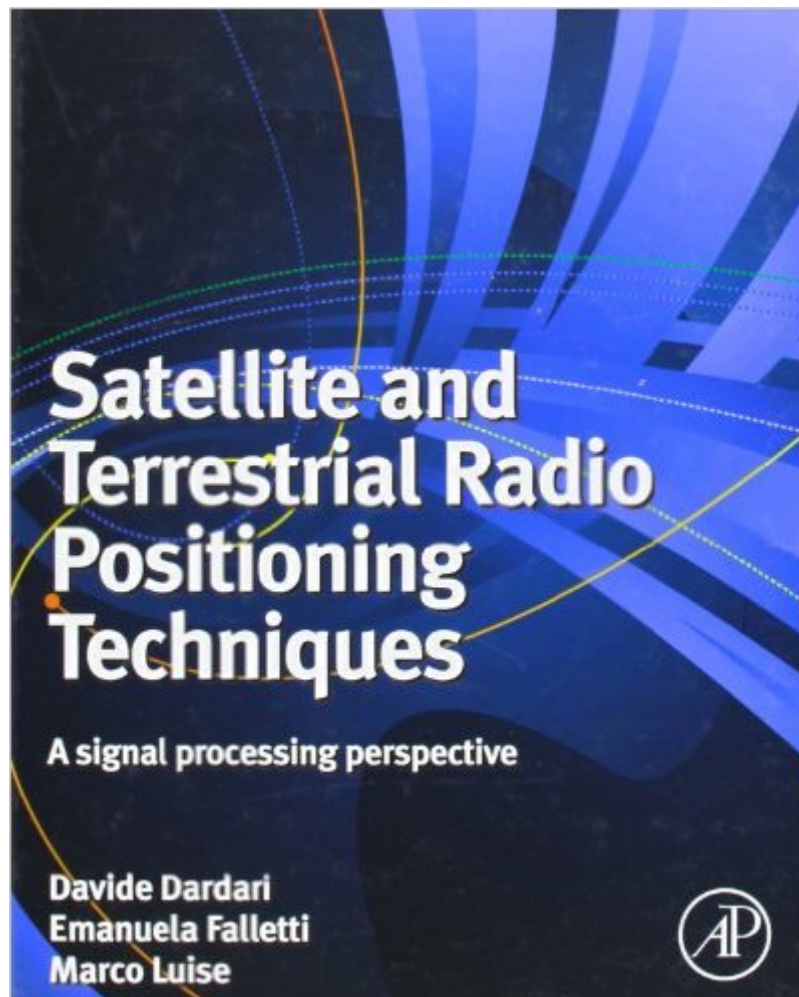


The book was found

# Satellite And Terrestrial Radio Positioning Techniques: A Signal Processing Perspective



## Synopsis

The first book to combine satellite and terrestrial positioning techniques - vital for the understanding and development of new technologies. Written and edited by leading experts in the field, with contributors belonging to the European Commission's FP7 Network of Excellence NEWCOM++ Applications to a wide range of fields, including sensor networks, emergency services, military use, location-based billing, location-based advertising, intelligent transportation, and leisure.

Location-aware personal devices and location-based services have become ever more prominent in the past few years, thanks to the significant advances in position location technology. Sensor networks, geographic information, emergency services, location management, location-based billing, location-based advertising, intelligent transportation, and leisure applications are just some of the potential applications that can be enabled by these techniques. Increasingly, satellite and terrestrial positioning techniques are being combined for maximum performance; to produce the next wave of location-based devices and services, engineers need to combine both components. This book is the first to present a holistic view, covering all aspects of positioning: both terrestrial and satellite, both theory and practice, both performance bounds and signal processing techniques. It will provide a valuable resource for product developers and R&D engineers, allowing them to improve existing location techniques and develop future approaches for new systems.

Combines satellite and terrestrial positioning techniques, using a signal processing approach. Discusses the applicability of developed techniques to emerging standards, such as LTE Advanced or WiMAX II, through the issue of ranging measurement with multicarrier signals. Contains quantitative performance results for ranging, positioning, and tracking for various systems.

## Book Information

Hardcover: 458 pages

Publisher: Academic Press; 1 edition (November 23, 2011)

Language: English

ISBN-10: 0123820847

ISBN-13: 978-0123820846

Product Dimensions: 7.5 x 1.2 x 9.4 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars Â Â See all reviews Â (1 customer review)

Best Sellers Rank: #2,198,373 in Books (See Top 100 in Books) #83 in Â Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Satellite #326 in Â Books >

## Customer Reviews

Good, comprehensive review of positioning techniques from GPS to TDOA.

[Download to continue reading...](#)

Satellite and Terrestrial Radio Positioning Techniques: A Signal Processing Perspective Ham  
Radio: Ultimate Ham Radio Beginners To Expert Guide: Easy Step By Step Instructions And Vital  
Knowledge To Start Using Your Ham Radio Today! (Ham Radio,Ham ... Radio License Manual,Ham  
Radio For Dummies) Ham Radio Guide Quick Start Ham Radio Guide- From Beginner To  
Advanced: (Ham Radio Study Guide, Dummy Load Ham Radio) (Home Ham Radio, Ham Radio  
Book) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and  
Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Terrestrial  
Ecosystems Through Time: Evolutionary Paleoecology of Terrestrial Plants and Animals Exalted  
Terrestrial Direction 3 East \*OP (The Compass of Terrestrial Directions) Exalted Terrestrial  
Directions 2 The West (Compass of Terrestrial Directions) (vol. 2) Signal Processing Algorithms in  
Fortran and C (Prentice-Hall Signal Processing Series) Multidimensional Digital Signal Processing  
(Prentice-Hall Signal Processing Series) Digital Signal Processing with Examples in MATLAB®,  
Second Edition (Electrical Engineering & Applied Signal Processing Series) Discrete-Time Signal  
Processing (3rd Edition) (Prentice-Hall Signal Processing Series) Digital Signal Processing: with  
Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing Ham  
Radio: The Ultimate Guide to Learn Ham Radio In No Time (Ham radio, Self reliance,  
Communication, Survival, User Guide, Entertainments) (Radio, guide, reference books,how to  
operate Book 1) Understanding Digital Television: An Introduction to DVB Systems with Satellite,  
Cable, Broadband and Terrestrial TV Distribution Satellite and Terrestrial Hybrid Networks (Iste)  
Fundamentals of Inertial Navigation, Satellite-based Positioning and their Integration The Radio  
Amateur's Satellite Handbook (Radio Amateur's Library;, Publication No. 232) Digital Signal  
Processing: A Computer Science Perspective Speech and Audio Signal Processing: Processing  
and Perception of Speech and Music Biosignal and Medical Image Processing (Signal Processing  
and Communications)

[Dmca](#)