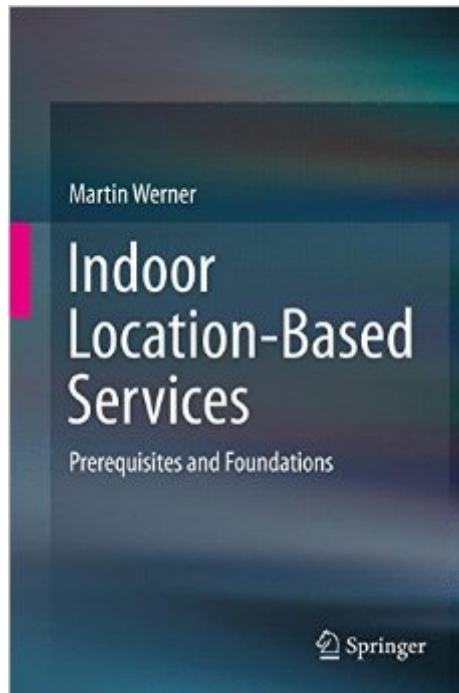


The book was found

# Indoor Location-Based Services: Prerequisites And Foundations



## Synopsis

This book delivers concise coverage of classical methods and new developments related to indoor location-based services. It collects results from isolated domains including geometry, artificial intelligence, statistics, cooperative algorithms, and distributed systems and thus provides an accessible overview of fundamental methods and technologies. This makes it an ideal starting point for researchers, students, and professionals in pervasive computing. Location-based services are services using the location of a mobile computing device as their primary input. While such services are fairly easy to implement outside buildings thanks to accessible global positioning systems and high-quality environmental information, the situation inside buildings is fundamentally different. In general, there is no simple way of determining the position of a moving target inside a building without an additional dedicated infrastructure. The book's structure is learning oriented, starting with a short introduction to wireless communication systems and basic positioning techniques and ending with advanced features like event detection, simultaneous localization and mapping, and privacy aspects. Readers who are not familiar with the individual topics will be able to work through the book from start to finish. At the same time all chapters are self-contained to support readers who are already familiar with some of the content and only want to pick selected topics that are of particular interest.

## Book Information

Hardcover: 233 pages

Publisher: Springer; 2014 edition (November 30, 2014)

Language: English

ISBN-10: 3319106988

ISBN-13: 978-3319106984

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 14.9 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,210,544 in Books (See Top 100 in Books) #181 in Books > Computers & Technology > Computer Science > AI & Machine Learning > Expert Systems #203 in Books > Computers & Technology > Programming > Graphics & Multimedia > GIS #441 in Books > Computers & Technology > Hardware & DIY > Internet & Networking

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

Indoor Location-Based Services: Prerequisites and Foundations Location, Localization, and

Localizability: Location-awareness Technology for Wireless Networks Location Determination within Wireless Networks: Dynamic indoor/outdoor Localization Systems: Algorithm Design, Performance Analysis and Comparison Study Enhancing Indoor Localization with Proximity Information in WSN: A novel way of enhancing indoor localization in wireless sensor networks Indoor Gardening: The Ultimate Beginner's Guide to Growing an Indoor Garden Deep Learning in Python Prerequisites: Master Data Science and Machine Learning with Linear Regression and Logistic Regression in Python (Machine Learning in Python) Go Mobile: Location-Based Marketing, Apps, Mobile Optimized Ad Campaigns, 2D Codes and Other Mobile Strategies to Grow Your Business RF-based Indoor Localization in Sensor Networks: Localization Using Signal Fingerprinting Protocol for Wireless Localization Systems: Communications Protocol for RF-based Wireless Indoor Localization Networks What Customers Want: Using Outcome-Driven Innovation to Create Breakthrough Products and Services: Using Outcome-Driven Innovation to Create Breakthrough Products and Services Auditing & Assurance Services, 5th Edition (Auditing and Assurance Services) Auditing & Assurance Services with ACL Software Student CD-ROM with Connect (Auditing and Assurance Services) Microsoft Win32 Developer's Reference Library - (Microsoft Developers Library Win 32 BASE SERVICES (Microsoft Win 32 - Base Services) Human Services in Contemporary America (Introduction to Human Services) Nutritional Foundations and Clinical Applications: A Nursing Approach, 5e (Foundations and Clinical Applications of Nutrition) Foundations of GMAT Math, 5th Edition (Manhattan GMAT Preparation Guide: Foundations of Math) Leading & Managing Occupational Therapy Services: An Evidence-Based Approach Organic Mushroom Farming and Mycoremediation: Simple to Advanced and Experimental Techniques for Indoor and Outdoor Cultivation The Urban Sketching Handbook: People and Motion: Tips and Techniques for Drawing on Location (Urban Sketching Handbooks) The Urban Sketching Handbook: Reportage and Documentary Drawing: Tips and Techniques for Drawing on Location (Urban Sketching Handbooks)

[Dmca](#)