



Indoor Location-Based Services: Prerequisites and Foundations

By Martin Werner

Download now

Read Online ➔

Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner

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.

↓ [Download Indoor Location-Based Services: Prerequisites and ...pdf](#)

📖 [Read Online Indoor Location-Based Services: Prerequisites an ...pdf](#)

Indoor Location-Based Services: Prerequisites and Foundations

By Martin Werner

Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner

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.

Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner Bibliography

- Rank: #3006152 in eBooks
- Published on: 2014-11-29
- Released on: 2014-11-29
- Format: Kindle eBook

 [Download Indoor Location-Based Services: Prerequisites and ...pdf](#)

 [Read Online Indoor Location-Based Services: Prerequisites an ...pdf](#)

Editorial Review

From the Back Cover

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.

About the Author

Martin Werner has been working as a research scientist in the Mobile and Distributed Systems Group at the Ludwig-Maximilians-University Munich since 2009. His main research interests range from mobile services to indoor location-based services, context-aware and ubiquitous computing, mobile communications, and security and privacy in online networks.

Users Review

From reader reviews:

Marjorie Batchelder:

The book Indoor Location-Based Services: Prerequisites and Foundations can give more knowledge and information about everything you want. Why then must we leave a good thing like a book Indoor Location-Based Services: Prerequisites and Foundations? Some of you have a different opinion about guide. But one aim which book can give many info for us. It is absolutely suitable. Right now, try to closer using your book. Knowledge or facts that you take for that, it is possible to give for each other; it is possible to share all of these. Book Indoor Location-Based Services: Prerequisites and Foundations has simple shape but you know: it has great and large function for you. You can search the enormous world by start and read a guide. So it is very wonderful.

Nellie Kim:

The reserve untitled Indoor Location-Based Services: Prerequisites and Foundations is the e-book that recommended to you to read. You can see the quality of the e-book content that will be shown to you. The language that article author use to explained their ideas are easily to understand. The article writer was did a lot of research when write the book, so the information that they share for your requirements is absolutely accurate. You also might get the e-book of Indoor Location-Based Services: Prerequisites and Foundations from the publisher to make you considerably more enjoy free time.

Roberto Fetter:

Do you have something that that suits you such as book? The guide lovers usually prefer to opt for book like comic, small story and the biggest you are novel. Now, why not hoping Indoor Location-Based Services: Prerequisites and Foundations that give your entertainment preference will be satisfied through reading this book. Reading practice all over the world can be said as the method for people to know world considerably better then how they react when it comes to the world. It can't be said constantly that reading behavior only for the geeky man but for all of you who wants to be success person. So , for all you who want to start studying as your good habit, you could pick Indoor Location-Based Services: Prerequisites and Foundations become your current starter.

Carl Moss:

This Indoor Location-Based Services: Prerequisites and Foundations is new way for you who has attention to look for some information since it relief your hunger info. Getting deeper you upon it getting knowledge more you know or perhaps you who still having little bit of digest in reading this Indoor Location-Based Services: Prerequisites and Foundations can be the light food for you because the information inside this book is easy to get by simply anyone. These books produce itself in the form that is reachable by anyone, yeah I mean in the e-book contact form. People who think that in guide form make them feel sleepy even dizzy this e-book is the answer. So there is not any in reading a book especially this one. You can find what you are looking for. It should be here for a person. So , don't miss that! Just read this e-book kind for your better life in addition to knowledge.

**Download and Read Online Indoor Location-Based Services:
Prerequisites and Foundations By Martin Werner #8HK617LUTF0**

Read Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner for online ebook

Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner 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 Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner books to read online.

Online Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner ebook PDF download

Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner Doc

Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner Mobipocket

Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner EPub

8HK617LUTF0: Indoor Location-Based Services: Prerequisites and Foundations By Martin Werner