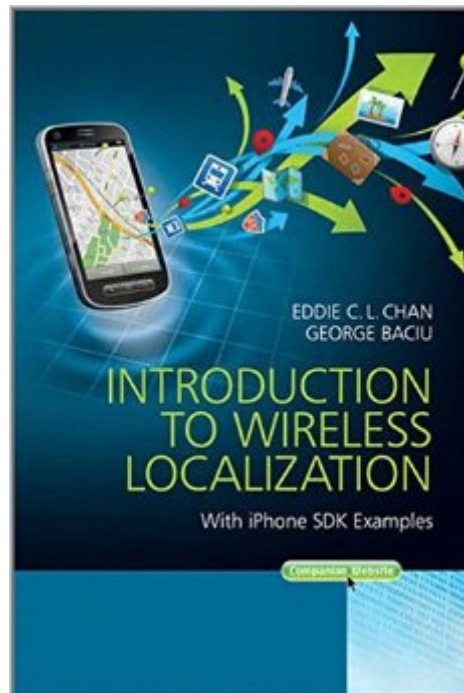# Introduction To Wireless Localization: With IPhone SDK Examples

Synopsis

This book provides a comprehensive overview of the entire landscape of both outdoor and indoor wireless positioning, and guides the reader step by step in the implementation of wireless positioning applications on the iPhone. Explanations of fundamental positioning techniques are given throughout the text, along with many programming examples, providing the reader with an independent, practical, and enjoyable learning of the material while gaining a real feel for the subject.Â Provides an accessible introduction to positioning technologies such as Global Positioning System and Wi-Fi positioning Presents hands-on skills to iOS 5.0 programming for location-aware applications Gives a thorough grounding in signal propagation, line-of-sight and interference effects for accurate positioning Covers the location-aware video streaming and conferencing with practical iPhone application examples Accompanied by a website containing programming code described in the text and lecture presentation slides for instructorsÂ This book is primarily intended for anyone who wants to study wireless localization. It is an ideal textbook for graduate students who are first learning localization techniques, as well as advanced undergraduates in computer science interested in translating localization concepts into real code. Professionals, engineers and researchers working in location-aware services and related techniques using mobile positioning and AI technologies will find this book to be a helpful reference. Companion website for the book: www.wiley.com/go/chan/wireless

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Customer Reviews

I'm doing a research on Indoor Positioning System for Undergraduate Library at University of Illinois. Dr. Eddie's book is the only book I find that helps me understand the topic. I emailed him with some follow-up question, and he replied me nicely. I highly recommend this book to anyone who is interested in learning about localization using wifi. This edition mentions application with iPhone SDK, and I look forward to future editions with examples using Android SDK.

Introduction to Wireless Localization: With iPhone SDK Examples Localization in Wireless Sensor Network: An enhanced composite approach with mobile beacon shortest path to solve localization problem in wireless sensor network Protocol for Wireless Localization Systems: Communications Protocol for RF-based Wireless Indoor Localization Networks Wireless and Mobile Networking: IFIP Joint Conference on Mobile Wireless Communications Networks (MWCN'2008) and Personal Wireless Communications ... in Information and Communication Technology) Enhancing Indoor Localization with Proximity Information in WSN: A novel way of enhancing indoor localization in wireless sensor networks My iPhone for Seniors (Covers iOS 9 for iPhone 6s/6s Plus, 6/6 Plus, 5s/5C/5, and 4s) (2nd Edition) The Art of iPhone Photography: Creating Great Photos and Art on Your iPhone Wireless Hacking: Projects for Wi-Fi Enthusiasts: Cut the cord and discover the world of wireless hacks! Principles of Wireless Access and Localization Location, Localization, and Localizability: Location-awareness Technology for Wireless Networks Secure Localization and Time Synchronization for Wireless Sensor and Ad Hoc Networks (Advances in Information Security) Localization in Wireless Networks: Foundations and Applications Location Determination within Wireless Networks: Dynamic indoor/outdoor Localization Systems: Algorithm Design, Performance Analysis and Comparison Study RF-based Indoor Localization in Sensor Networks: Localization Using Signal Fingerprinting Corporate Taxation: Examples And Explanations (Examples & Explanations) Coding iPhone Apps for Kids: A Playful Introduction to Swift Apple iPhone: The Best Tips & Support Guidebook Book 1: Diving In - iOS App Development for Non-Programmers Series: The Series on How to Create iPhone & iPad Apps Book 2: Flying With Objective-C - iOS App Development for Non-Programmers: The Series on How to Create iPhone & iPad Apps App Savvy: Turning Ideas into iPad and iPhone Apps Customers Really Want