# Smartphone-Based Indoor Map Construction: Principles and Applications (Paperback)



Filesize: 2.28 MB

### Reviews

The book is fantastic and great. It is rally exciting through looking at period of time. Your way of life period will likely be change when you full reading this publication.

(Elijah Kuphal)

## SMARTPHONE-BASED INDOOR MAP CONSTRUCTION: PRINCIPLES AND APPLICATIONS (PAPERBACK)



Springer Verlag, Singapore, Singapore, 2018. Paperback. Condition: New. 1st ed. 2018. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This book focuses on ubiquitous indoor localization services, specifically addressing the issue of floor plans. It combines computer vision algorithms and mobile techniques to reconstruct complete and accurate floor plans to provide better location-based services for both humans and vehicles via commodity smartphones in indoor environments (e.g., a multi-layer shopping mall with underground parking structures). After a comprehensive review of scene reconstruction methods, it offers accurate geometric information for each landmark from images and acoustics, and derives the spatial relationships of the landmarks and rough sketches of accessible areas with inertial and WiFi data to reduce computing overheads. It then presents the authors recent findings in detail, including the optimization and probabilistic formulations for more solid foundations and better robustness to combat errors, several new approaches to promote the current sporadic availability of indoor location-based services, and a holistic solution for floor plan reconstruction, indoor localization, tracking, and navigation. The novel approaches presented are designed for different types of indoor environments (e.g., shopping malls, office buildings and labs) and different users. A valuable resource for researchers and those in start-ups working in the field, it also provides supplementary material for students with mobile computing and networking backgrounds.



Read Smartphone-Based Indoor Map Construction: Principles and Applications (Paperback) Online Download PDF Smartphone-Based Indoor Map Construction: Principles and Applications (Paperback)

### Other Books



Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 277 x 211 mm. Language: English. Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Mr. George Smith, a children s book author, has been...

Download ePub »



### Tips on How to Promote eBooks and Market Effectively

 $Createspace, United States, 2014. \ Paperback. \ Book Condition: New. \ 229 \times 152 \ mm. \ Language: English. \ Brand \ New Book ***** Print on Demand *****. Tips on How to Promote eBooks And Market Effectively Table of Contents Introduction...$ 

Download ePub »



TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Download ePub >



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Download ePub »



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Download ePub »