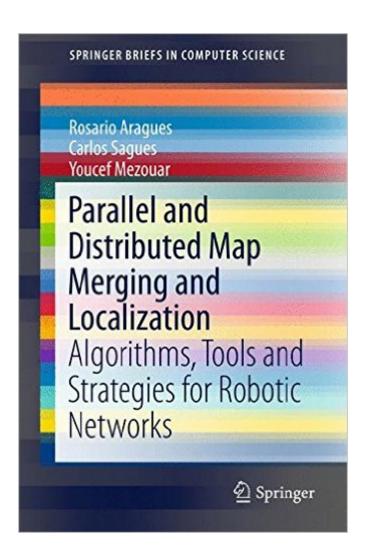
The book was found

Parallel And Distributed Map Merging And Localization: Algorithms, Tools And Strategies For Robotic Networks (SpringerBriefs In Computer Science)





Synopsis

This work examines the challenges of distributed map merging and localization in multi-robot systems, which enables robots to acquire the knowledge of their surroundings needed to carry out coordinated tasks. After identifying the main issues associated with this problem, each chapter introduces a different distributed strategy for solving them. In addition to presenting a review of distributed algorithms for perception in localization and map merging, the text also provides the reader with the necessary tools for proposing new solutions to problems of multi-robot perception, as well as other interesting topics related to multi-robot scenarios. The coverage is largely self-contained, supported by numerous explanations and demonstrations, although references for further study are also supplied. The reader will not require any prior background knowledge, other than a basic understanding of mathematics at a graduate-student level.

Book Information

Series: SpringerBriefs in Computer Science

Paperback: 116 pages

Publisher: Springer; 1st ed. 2015 edition (November 28, 2015)

Language: English

ISBN-10: 3319258842

ISBN-13: 978-3319258843

Product Dimensions: 6.1 x 0.3 x 9.2 inches

Shipping Weight: 7 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #6,625,007 in Books (See Top 100 in Books) #46 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Localization #1462 in Books > Computers & Technology > Hardware & DIY > Internet & Networking #2761 in Books > Computers & Technology > Computer Science > Robotics

Download to continue reading...

Parallel and Distributed Map Merging and Localization: Algorithms, Tools and Strategies for Robotic Networks (SpringerBriefs in Computer Science) Enhancing Indoor Localization with Proximity Information in WSN: A novel way of enhancing indoor localization in wireless sensor networks 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 3D Robotic Mapping: The Simultaneous Localization and Mapping Problem

with Six Degrees of Freedom (Springer Tracts in Advanced Robotics) Parallel Scientific Computing in C++ and MPI: A Seamless Approach to Parallel Algorithms and their Implementation Introduction to Parallel Computing: Design and Analysis of Parallel Algorithms Streetwise Rome Map -Laminated City Center Street Map of Rome, Italy - Folding pocket size travel map with metro map, subway Foundations of Multithreaded, Parallel, and Distributed Programming StreetSmart NYC Map by VanDam - City Street Map of Manhattan, New York, in 9/11 National Memorial Edition -Laminated folding pocket size city travel and subway map, 2016 Edition Trends in Distributed Systems: CORBA and Beyond: International Workshop TreDS '96 Aachen, Germany, October 1 - 2, 1996; Proceedings (Lecture Notes in Computer Science) Localization in Wireless Sensor Network: An enhanced composite approach with mobile beacon shortest path to solve localization problem in wireless sensor network Programming Computer Vision with Python: Tools and algorithms for analyzing images Parallel Programming: Techniques and Applications Using Networked Workstations and Parallel Computers (2nd Edition) Short Stories in Spanish: New Penguin Parallel Text (New Penguin Parallel Texts) (Spanish and English Edition) Parallel Programming with Intel Parallel Studio XE Learn German: Parallel Text - Easy, Funny Stories (German - English) - Bilingual (Learning German with Parallel Text Book 1) Learn German III: Parallel Text - Easy Stories (German - English) Bilingual - Dual Language (Learning German with Parallel Text 3) (German Edition) The Art of M&A Integration 2nd Ed: A Guide to Merging Resources, Processes, and Responsibilties Japanese Firms During the Lost Two Decades: The Recovery of Zombie Firms and Entrenchment of Reputable Firms (SpringerBriefs in Economics)

<u>Dmca</u>