

## Mastering ROS for Robotics Programming (Paperback)



Filesize: 5.09 MB

### **Reviews**

*A top quality publication and also the font employed was interesting to learn. It is really simplistic but excitement within the fifty percent from the book. Its been designed in an remarkably basic way in fact it is only following i finished reading this pdf where in fact changed me, modify the way i believe.*

**(Rachel Stiedemann)**

## MASTERING ROS FOR ROBOTICS PROGRAMMING (PAPERBACK)

[DOWNLOAD](#)

To download **Mastering ROS for Robotics Programming (Paperback)** eBook, please follow the link below and save the file or have access to additional information which might be highly relevant to MASTERING ROS FOR ROBOTICS PROGRAMMING (PAPERBACK) book.

Packt Publishing Limited, United Kingdom, 2015. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Design, build and simulate complex robots using Robot Operating System and master its out-of-the-box functionalities About This Book \* Develop complex robotic applications using ROS for interfacing robot manipulators and mobile robots with the help of high end robotic sensors \* Gain insights into autonomous navigation in mobile robot and motion planning in robot manipulators \* Discover the best practices and troubleshooting solutions everyone needs when working on ROS Who This Book Is For If you are a robotics enthusiast or researcher who wants to learn more about building robot applications using ROS, this book is for you. In order to learn from this book, you should have a basic knowledge of ROS, GNU/Linux, and C++ programming concepts. The book will also be good for programmers who want to explore the advanced features of ROS. What You Will Learn \* Create a robot model of a Seven-DOF robotic arm and a differential wheeled mobile robot \* Work with motion planning of a Seven-DOF arm using MoveIt! \* Implement autonomous navigation in differential drive robots using SLAM and AMCL packages in ROS \* Dig deep into the ROS Pluginlib, ROS nodelets, and Gazebo plugins \* Interface I/O boards such as Arduino, Robot sensors, and High end actuators with ROS \* Simulation and motion planning of ABB and Universal arm using ROS Industrial \* Explore the ROS framework using its latest version In Detail The area of robotics is gaining huge momentum among corporate people, researchers, hobbyists, and students. The major challenge in robotics is its controlling software. The Robot Operating System (ROS) is a modular software platform to develop generic robotic applications. This book discusses the advanced concepts in robotics and how...

[Read Mastering ROS for Robotics Programming \(Paperback\) Online](#)[Download PDF Mastering ROS for Robotics Programming \(Paperback\)](#)

## You May Also Like



**[PDF] Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Access the web link beneath to download and read "Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade" PDF document.

[Read ePub »](#)



**[PDF] Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade**

Access the web link beneath to download and read "Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade" PDF document.

[Read ePub »](#)



**[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Access the web link beneath to download and read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications ." PDF document.

[Read ePub »](#)



**[PDF] Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners**

Access the web link beneath to download and read "Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners" PDF document.

[Read ePub »](#)



**[PDF] History of the Town of Sutton Massachusetts from 1704 to 1876**

Access the web link beneath to download and read "History of the Town of Sutton Massachusetts from 1704 to 1876" PDF document.

[Read ePub »](#)



**[PDF] The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)**

Access the web link beneath to download and read "The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)" PDF document.

[Read ePub »](#)