

Mastering ROS for Robotics Programming - (Paperback)

Filesize: 7.15 MB

Reviews

This is an amazing publication that I have actually read through. It really is rally exciting throgh reading through time period. You may like just how the blogger publish this book. (Lucienne Barton)

MASTERING ROS FOR ROBOTICS PROGRAMMING - (PAPERBACK)



Packt Publishing Limited, United Kingdom, 2018. Paperback. Condition: New. 2nd Revised edition. Language: English . Brand New Book ***** Print on Demand *****.Discover the best practices and troubleshooting solutions everyone needs when working on ROS 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 Movelt! * 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 Todays era is gaining a lot of traction towards robotics in various industries where consistency and perfection is mattered the most. Automation is playing a major role today, and most of it is acheived with robotic applications and various platforms that supoprt robotics. The Robot Operating System (ROS)...

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