



Mastering ROS for Robotics Programming - (Paperback)

By Jonathan Cacace

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 MoveIt! * Implement autonomous navigation in differential drive robots using SLAM and AMCL packages in...



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