Learning ROS for Robotics Programming (Paperback)

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Packt Publishing Limited, United Kingdom, 2015. Paperback. Book Condition: New. 2nd Revised edition. 235 x 190 mm. Language: English . Brand New Book. Your one-stop guide to the Robot Operating System About This Book * Model your robot on a virtual world and learn how to simulate it * Create, visualize, and process Point Cloud information * Easy-to-follow, practical tutorials to program your own robots In Detail If you have ever tried building a robot, then you know how cumbersome programming everything from scratch can be. This is where ROS comes into the picture. It is a collection of tools, libraries, and conventions that simplifies the robot building process. What s more, ROS encourages collaborative robotics software development, allowing you to connect with experts in various fields to collaborate and build upon each other s work. Packed full of examples, this book will help you understand the ROS framework to help you build your own robot applications in a simulated environment and share your knowledge with the large community supporting ROS. Starting at an introductory level, this book is a comprehensive guide to the fascinating world of robotics, covering sensor integration, modeling, simulation, computer vision, navigation algorithms, and more. You...

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