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(Luciano Von III)

ESP8266 ROBOTICS PROJECTS (PAPERBACK)



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Build simple yet amazing robotics projects using ESP8266 About This Book * Get familiar with ESP8266 and its features. * Build Wi-Fi controlled robots using ESP8266 * A project based book that will use the ESP8266 board and some of its popular variations to build robots. Who This Book Is For This book is targeted at enthusiasts who are interested in developing low-cost robotics projects using ESP8266. A basic knowledge of programming will be useful but everything you need to know is are covered in the book. What You Will Learn * Build a basic robot with the original ESP8266, Arduino UNO, and a motor driver board. * Make a Mini Round Robot with ESP8266 HUZZAH * Modify your Mini Round Robot by integrating encoders with motors * Use the Zumo chassis kit to build a line-following robot by connecting line sensors * Control your Romi Robot with Wiimote * Build a Mini Robot Rover chassis with a gripper and control it through Wi-Fi * Make a robot that can take pictures In Detail The ESP8266 Wi-Fi module is a self-contained SOC with an integrated TCP/IP protocol stack and can give any microcontroller access to your Wi-Fi network. It has a powerful processing and storage capability and also supports application hosting and Wi-Fi networking. This book is all about robotics projects based on the original ESP8266 microcontroller board and some variants of ESP8266 boards. It starts by showing all the necessary things that you need to build your development environment with basic hardware and software components. The book uses the original ESP8266 board and some variants such as the Adafruit HUZZAH ESP8266 and the Adafruit Feather HUZZAH ESP8266 . You...



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