1. Record Nr. UNINA9910465453103321 Autore Grimmett Richard Titolo Arduino robotic projects: build awesome and complex robots with the power of Arduino / / Richard Grimmett; cover image by Maria Cristina Caggiani Pubbl/distr/stampa Birmingham, England:,: Packt Publishing,, 2014 ©2014 ISBN 1-78398-983-1 Descrizione fisica 1 online resource (240 p.) Collana Community Experience Distilled Disciplina 629.8 Soggetti Automatic control - Computer programs Embedded computer systems - Design and construction Robots - Control systems Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Cover; Copyright; Credits; About the Author; About the Reviewers; Nota di contenuto www.PacktPub.com; Table of Contents; Preface; Chapter 1: Powering on Arduino; Selecting the right Arduino; A brief history of Arduino; Introducing the different versions of Arduino; Arduino Uno R3; Arduino Mega 2560 R3: Choosing the Arduino Mega: Arduino Due: Arduino Micro; Adafruit FLORA; Adafruit Gemma; Adafruit Trinket; Other options with the Arduino; Powering up the Arduino; Unveiling your Arduino; Connecting to the Arduino; Installing the FLORA IDE; Summary; Chapter 2: Getting Started with the Arduino IDE Using a Windows machine to develop with ArduinoRunning the IDE for Uno; Setting the IDE to your board; Selecting the proper COM port; Opening and uploading a file to Arduino; Running the IDE for Mega; Running the IDE for the Adafruit FLORA; Installing the Adafruit drivers; Selecting the Adafruit boards; Selecting the COM port; Coding an LED

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Chapter 10: Going Truly Mobile - Remote Control of Your Robot

Sommario/riassunto

This book is for anyone who has been curious about using Arduino to create robotic projects that were previously the domain of research labs of major universities or defense departments. Some programming background is useful, but if you know how to use a PC, you can, with the aid of the step-by-step instructions in this book, construct complex robotic projects that can roll, walk, swim, or fly.