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Nota di contenuto	Cover; Copyright; Credits; About the Authors; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Welcome to LabVIEW and Arduino; What makes Arduino ideal for LabVIEW; Significance of using LabVIEW; Skills required to use LabVIEW and Arduino; Downloading LabVIEW; Downloading the Arduino IDE; Summary; Chapter 2: Getting Started with the LabVIEW Interface for Arduino; Hardware and software requirements; Setting up LabVIEW and LINX; Testing the installation; Summary; Chapter 3: Controlling a Motor from LabVIEW; Hardware and software requirements; Hardware configuration Writing the LabVIEW programUpgrading the interface; Summary; Chapter 4: A Simple Weather Station with Arduino and LabVIEW; Hardware and software requirements; Hardware configuration; Writing the LabVIEW program; Upgrading the interface; Summary; Chapter 5: Making an XBee Smart Power Switch; Hardware and software requirements; Configuring the hardware; Controlling the relay; Measuring the current; Controlling the project via XBee; Summary; Chapter 6: A Wireless Alarm System with LabVIEW; Hardware and software requirements; Hardware configuration; Interfacing one motion sensor Connecting more motion sensorsMaking the project wireless with XBee;

	Summary; Chapter 7: A Remotely Controlled Mobile Robot; Hardware and software requirements; Hardware configuration; Moving the robot around; Measuring the front distance; Controlling the robot wirelessly; Summary; Index
Sommario/riassunto	If you already have some experience with LabVIEW and want to apply your skills to control physical objects and make measurements using the Arduino sensor, this book is for you. Prior knowledge of Arduino and LabVIEW is essential to fully understand the projects detailed in this book.