1. Record Nr. UNINA9910300640603321

Autore	Jackson Wallace
Titolo	Pro Android Wearables : Building Apps for Smartwatches / / by Wallace Jackson
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2015
ISBN	9781430265511 1430265515
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (567 p.)
Disciplina	004
Soggetti	Mobile computing Application software Mobile Computing Computer Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Contents at a Glance; Contents; About the Author; About the Technical Reviewer; Acknowledgments; Introduction; Chapter 1: Introduction to Android Wearables: Concepts, Types, and Material Design; Wearable Technology Defined: What Is a Wearable?; Wearable Application Development: What Types of Apps?; Android Wearable Fun: Augmented Reality, Edutainment, and Gamification; Mainstream Wearables: Smartwatches and Smartglasses; Smartwatches: Round Watch Face vs. Square Organic Light-emitting Diode; Smartglasses: Glasses and Other Smartglasses Manufacturers Wearable Application Programming InterfacesAndroid Studio 1.0: Android Wear SDK; Google Glass Development Kit: GDK for Android or Mirror; Google Glass's Android Studio GDK: The Glass Development Kit; Develop Google Glass Apps Using Only the Android Environment; Using RESTful Services with Google Glass: The Mirror API; Hybrid Glass Applications: Mixing Android GDK and the Mirror API; True Android or Android Peripheral: Bluetooth Link; Wearable Apps Design: Android 5 Material Design; The Android Material Design Themes: Light and Dark Defining the Wearable Material Theme: Using the Style AttributeDefining the Wearable Material Theme Color Palette: The Item

Tag; Customizing a Wearable Material Theme Status Bar: statusBarColor; Customizing a Wearable Material Theme: Individual View Themes; Android Material Design View Widgets: Lists and Cards; Android RecyclerView Class: Optimized (Recycled) List Viewing; Android CardView Class: The Index Card Organization Paradigm; Android Material Design Effects: Shadows and Animation; Android Material Design 3D Effects: Automatic View Shadowing
What You Will Learn from This BookSummary; Chapter 2: Setting Up an Android 5 Wearables Application Development Workstation; Work Process for Creating an Android Workstation; Android Development Workstation: Hardware Foundation; Android Development Workstation: Software Foundation; Java 7: Installing the Foundation for Android Studio; Android Studio 1.0: Download the Android 5 IDEA; Installing Android Studio: IntelliJ IDEA and Android SDK; Professional Digital Imaging Software: GIMP 2.8.14; Professional Digital Video Editing: Lightworks 12; Professional 3D Modeling and Animation: Blender Professional Digital Audio Editing: Audacity 2.0.6

Sommario/riassunto

Pro Android Wearables details how to design and build Android Wear apps for new and unique Android wearable device types, such as Google Android smartwatches, which use the new WatchFaces API, as well as health-monitoring features and other cool features such as altimeters and compasses. It's time to take your Android 5 Wear application development skills and experience to the next level and get exposure to a whole new world of hardware. As smartwatches continue to grab major IoT headlines, there is a growing interest in building Android apps that run on these wearables, which are now being offered by dozens of major manufacturers. This means more revenue earning opportunity for today's indie app developers. Additionally, this book provides new media design concepts which relate to using media assets, as well as how to optimize Wear applications for low-power, single-core, dual-core or quad-core CPUs, and how to use the IntelliJ Android Studio IDE, and the Android device emulators for popular new wearable devices.

2. Record Nr. UNINA9910299621103321

Autore	Lemos João M
Titolo	Adaptive Control of Solar Energy Collector Systems / / by João M. Lemos, Rui Neves-Silva, José M. Igreja
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-06853-9
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (261 p.)
Collana	Advances in Industrial Control, , 1430-9491
Disciplina	629.836
Soggetti	Renewable energy resources Automatic control Renewable and Green Energy Control and Systems Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Solar Energy Collector Systems -- Models and Dynamics -- Predictive Adaptive Control with Linear Models -- Multiple-Model Adaptive Control -- Nonlinear Adaptive Predictive Control -- Nonlinear Adaptive Control -- Adaptive Motion Planning -- Conclusions -- Appendices.
Sommario/riassunto	This book describes methods for adaptive control of distributed-collector solar fields: plants that collect solar energy and deliver it in thermal form. Controller design methods are presented that can overcome difficulties found in these type of plants: they are distributed-parameter systems, i.e., systems with dynamics that depend on space as well as time; their dynamics is nonlinear, with a bilinear structure; there is a significant level of uncertainty in plant knowledge. Adaptive methods form the focus of the text because of the degree of uncertainty in the knowledge of plant dynamics. Parts of the text are devoted to design methods that assume only a very limited knowledge about the plant. Other parts detail methods that rely on knowledge of the dominant plant structure. These methods are more plant specific, but allow the improvement of performance. Adaptive Control of Solar Energy Collector Systems demonstrates the dynamics of solar fields to be rich enough to present a challenge to the control

designer while, at the same time, simple enough to allow analytic work to be done, providing case studies on dynamics and nonlinear control design in a simple and revealing, but nontrivial way. The control approaches treated in this monograph can be generalized to apply to other plants modelled by hyperbolic partial differential equations, especially process plants in which transport phenomena occur, plants like dryers, steam super-heaters and even highway traffic. An important example, used repeatedly throughout the text, is a distributed-collector solar field installed at Plataforma Solar de Almeria, located in southern Spain. The control algorithms laid out in the text are illustrated with experimental results generated from this plant. Although the primary focus of this monograph is solar energy collector, the range of other systems which can benefit from the methods described will make it of interest to control engineers working in many industries as well as to academic control researchers interested in adaptive control and its applications. Advances in Industrial Control aims to report and encourage the transfer of technology in control engineering. The rapid development of control technology has an impact on all areas of the control discipline. The series offers an opportunity for researchers to present an extended exposition of new work in all aspects of industrial control.