

1. Record Nr.	UNINA9910790747003321
Autore	Labrador Miguel A.
Titolo	Human activity recognition : using wearable sensors and smartphones / / Miguel A. Labrador, Oscar D. Lara Yejas
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2014] ©2014
ISBN	0-429-16801-2 1-4665-8828-4
Descrizione fisica	1 online resource (206 p.)
Collana	Chapman & Hall/CRC computer & information science series
Classificazione	COM037000COM051230MAT000000
Disciplina	681.2 681/.2
Soggetti	Location-based services Ubiquitous computing Wearable computers
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.
Nota di contenuto	Front Cover; Contents; List of Figures; List of Tables; Preface; Part I: Human Activity Recognition: Theory Fundamentals; Chapter 1: Introduction; Chapter 2: Human Activity Recognition; Chapter 3: State of the Art in HAR Systems; Chapter 4: Incorporating Physiological Signals to Improve Activity Recognition Accuracy; Chapter 5: Enabling Real-Time Activity Recognition; Chapter 6: New Fusion and Selection Strategies in Multiple Classifier Systems; Chapter 7: Conclusions; Part II: HAR in an Android Smartphone: A Practical Guide; Chapter 8: Introduction to Android Chapter 9: Getting Ready to Develop Android ApplicationsChapter 10: Using the Smartphone's Sensors; Chapter 11: Bluetooth Connectivity in Android; Chapter 12: Saving and Retrieving Data in an Android Smartphone; Chapter 13: Feature Extraction; Chapter 14: Real-Time Classification in Smartphones Using WEKA; Bibliography; Back Cover
Sommario/riassunto	Learn How to Design and Implement HAR Systems The pervasiveness and range of capabilities of today's mobile devices have enabled a wide spectrum of mobile applications that are transforming our daily lives, from smartphones equipped with GPS to integrated mobile sensors that

acquire physiological data. Human Activity Recognition: Using Wearable Sensors and Smartphones focuses on the automatic identification of human activities from pervasive wearable sensors-a crucial component for health monitoring and also applicable to other areas, such as entertainment and tactical operations. Developed fr
