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Titolo	Wearable Robotics: Challenges and Trends : Proceedings of the 2nd International Symposium on Wearable Robotics, WeRob2016, October 18-21, 2016, Segovia, Spain // edited by José González-Vargas, Jaime Ibáñez, Jose L. Contreras-Vidal, Herman van der Kooij, José Luis Pons
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 449 p. 147 illus.)
Collana	Biosystems & Biorobotics, , 2195-3562 ; ; 16
Disciplina	610.28
Soggetti	Biomedical engineering Robotics Automation User interfaces (Computer systems) Rehabilitation medicine Management Industrial management Biomedical Engineering and Bioengineering Robotics and Automation User Interfaces and Human Computer Interaction Rehabilitation Medicine Innovation/Technology Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Sommario/riassunto	The book reports on advanced topics in the areas of wearable robotics research and practice. It focuses on new technologies, including neural interfaces, soft wearable robots, sensors and actuators technologies, and discusses important regulatory challenges, as well as clinical and ethical issues. Based on the 2nd International Symposium on Wearable Robotics, WeRob2016, held October 18-21, 2016, in Segovia, Spain, the book addresses a large audience of academics and professionals

working in government, industry, and medical centers, and end-users alike. It provides them with specialized information and with a source of inspiration for new ideas and collaborations. It discusses exemplary case studies highlighting practical challenges related to the implementation of wearable robots in a number of fields. One of the focus is on clinical applications, which was encouraged by the colocation of WeRob2016 with the International Conference on Neurorehabilitation, INCR2016. Additional topics include space applications and assistive technologies in the industry. The book merges together the engineering, medical, ethical and political perspectives, thus offering a multidisciplinary, timely snapshot of the field of wearable technologies. .

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