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Collana	Biosystems & Biorobotics, , 2195-3570 ; ; 25
Disciplina	629.8 629.8924019
Soggetti	Control engineering Robotics Automation User interfaces (Computer systems) Human-computer interaction Social sciences Humanities Technological innovations Biomedical engineering Control, Robotics, Automation User Interfaces and Human Computer Interaction Humanities and Social Sciences Innovation and Technology Management Biomedical Engineering and Bioengineering
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Sommario/riassunto	The book reports on advanced topics in interactive robotics research and practice; in particular, it addresses non-technical obstacles to the broadest uptake of these technologies. It focuses on new technologies that can physically and cognitively interact with humans, including

neural interfaces, soft wearable robots, and sensor and actuator technologies; further, it discusses important regulatory challenges, including but not limited to business models, standardization, education and ethical–legal–socioeconomic issues. Gathering the outcomes of the 1st INBOTS Conference (INBOTS2018), held on October 16–20, 2018 in Pisa, Italy, the book addresses the needs of a broad audience of academics and professionals working in government and industry, as well as end users. In addition to providing readers with detailed information and a source of inspiration for new projects and collaborations, it discusses representative case studies highlighting practical challenges in the implementation of interactive robots in a number of fields, as well as solutions to improve communication between different stakeholders. By merging engineering, medical, ethical and political perspectives, the book offers a multidisciplinary, timely snapshot of interactive robotics. .
