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Sommario/riassunto

This book examines the Internet of Things (IoT) from the perspective of the five types of human communication to allow more expressive and holistic sensory information exchange in the fields of sensors, wireless, physiology, biology, wearables, and the Internet. The book focuses on all technologies and issues related to human bond communication. It includes use cases and business opportunities emanating from human-to-machine and machine-to-machine applications, interactions, and communication. Information and communications technologies have progressed rapidly in this millennium for people to exchange information using multimedia (speech, video/image, text), and the same has extended to the Internet of Things and machine-to-machine and machine-to-human communication. However, the ability to integrate the other remaining three sensory features, namely, olfactory (smell), gustatory (taste), and tactile (touch), in information transfer and replication to deliver "being there in-person" experiences is still far from reality. The authors use this book to accelerate the launch of a new era of novel products and services to disrupt the status quo of contemporary applications and services. In addition, the book: .
Describes the HBC field and its evolution and integration with wireless technology. Covers emerging context of cloud and analytics in HBC, wearables, and personal/body area networks (PAN/BAN). Examines the convergence of many different fields, such as medicine, biology, chemistry, 5G wireless, and ICT with interdisciplinary solutions to holistic communication.
