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	Sommario/riassunto	This book illustrates the rapid pace of development in intelligent assistive technology in recent years, and highlights some salient examples of using modern IT&C technologies to provide devices, systems and application software for persons with certain motor or cognitive disabilities. The book proposes both theoretical and practical approaches to intelligent assistive and emergent technologies used in healthcare for the elderly and patients with chronic diseases. Intelligent assistive technology (IAT) is currently being introduced and developed worldwide as an important tool for maintaining independence and high quality of life among community-living people with certain disabilities, and as a key enabler for the aging population. The book offers a valuable resource for students at technical, medical and general universities, but also for specialists working in various fields in which emergent technologies are being used to help people enjoy optimal quality of life.