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Nota di contenuto	ASSISTIVE TECHNOLOGY AND SCIENCE-FRONT COVER -- ASSISTIVE TECHNOLOGY AND SCIENCE -- CONTENTS -- SERIES INTRODUCTION -- Disability Concepts, Models, and Theories -- Types of Disability -- Disability Language -- Organization of the Series -- The Audience -- Acknowledgments -- References -- PREFACE -- Acknowledgments -- ABOUT THE AUTHOR -- ABOUT THE SERIES EDITOR -- CHAPTER 1: INTRODUCTION, BACKGROUND, AND HISTORY -- Introduction -- What Is Assistive Technology? -- History of AT -- Assistive Technology and the International Classification of Functioning (ICF) -- Legislation -- Education: The Individuals with Disabilities Education Act (IDEA) -- The American with Disabilities Act (ADA) and the Reauthorization of the Rehabilitation Act (Rehab Act) -- The Telecommunications Act, Section 255 -- Human Technology Interface (HTI) -- Direct Selection -- Scanning or Indirect Selection -- Displays -- Assistive Technology for Communication Disorders -- Nonelectronic Systems -- Electronic Voice Output Systems: Digital Speech -- Electronic Voice Output Systems: Synthetic Speech -- Portable Amplification Systems -- Assistive Technology for Mobility Impairments -- Upper-Body Mobility Devices -- Lower-Body Mobility Devices -- AT for Ergonomics and Prevention of Secondary Injuries -- Electronic Aids to Daily Living -- Assistive Technology for Hearing Impairments -- Hearing Aids -- Cochlear Implants -- TTY/TDDs-"Text Telephones" -- Environmental Adaptations -- Assistive Technology for Visual Impairments -- Low-Tech Visual Aids -- High-Tech Visual Aids -- Environmental Adaptations -- Assistive Technology for Cognitive/Learning Disabilities -- Literacy Technologies -- Prompting Technologies -- Accessible Medical Technologies for Practitioners and Patients -- Selecting Appropriate Assistive Technologies -- Abandonment -- Principles of Clinical Assessment.
	Physician Responsibilities -- Funding Assistive Technology -- Conclusion and Future Directions -- References -- CHAPTER 2: CURRENT ISSUES, CONTROVERSIES, AND SOLUTIONS -- Awareness and Access to Assistive Technology -- Awareness -- Assistive Technology and Access -- Accessing Assistive Technology and Early Childhood -- Process Flowchart -- Assistive Technology and Education -- Process Flowchart -- Assistive Technology and Employment -- Americans with Disabilities Act and Assistive Technology -- Office of Disability Employment Policy, Job Accommodation Network, and Assistive Technology -- Telework and Assistive Technology -- Telecommunications Equipment Distribution Programs (TEDP) -- Assistive Technology and Medical Necessity -- Assistive Technology Assessment -- Credentialing in Assistive Technology Devices and Services -- Navigating Disparities in Assistive Technology Resources -- Access to Education About Assistive Technology -- Technology and Change -- Conclusion -- References -- CHAPTER 3: CHRONOLOGY OF CRITICAL EVENTS -- CHAPTER 4: BIOGRAPHIES OF KEY CONTRIBUTORS IN THE FIELD -- David Abraham (1896-1978) -- Further Reading -- Bruce Baker -- Further Reading -- Graham A. Barden (1896-1967) -- Further Reading -- Alexander Graham Bell (1847-1922) -- Further Reading -- David R. Beukelman -- Further Reading -- Deane Blazie (1946-) -- Further Reading -- George W. Bush (1946-) -- Further Reading -- Dinah Cohen (1953-) -- Further Reading -- Albert Cook -- Further Reading -- Tim Cranmer (1925-2001) -- Further Reading -- Harvey Fletcher (1884-1981) -- Further Reading -- Frank Hall (1841-1911) -- Further Reading -- Jim Halliday -- Further Reading -- Tom Harkin (1939-) -- Further Reading -- Ted Henter (1950-) -- Further Reading -- Richard Hoover (1915-1986) -- Further Reading -- Dean

| Sommario/riassunto | This volume in The SAGE Reference Series on Disability explores issues involving assistive technology engineering and science. It is one of eight volumes in the cross-disciplinary and issues-based series, which incorporates links from varied fields making up Disability Studies as volumes examine topics central to the lives of individuals with disabilities and their families. |