Information technologies constitute a very important contribution to the integration of a population into its environment. Unfortunately, in most cases the development of new technologies does not consider the special needs of potentially disabled users.

The Handbook of Research on Personal Autonomy Technologies and Disability Informatics proposes a comprehensive description of the needs that must be considered by IT engineers when designing technical assistance tools that can be used by disabled persons according to their specific motoric, visual, auditive, or psychic needs. Contributing basic knowledge for persons in IT development and health care related to physical and psychic disabilities, this book adds over 50 authoritative articles by international experts to the defining body of research in autonomy technologies and disability informatics.

**Topics Covered:**

- Altered auditory feedback as a prosthetic-therapy
- Assistive technologies
- Augmentative and alternative communication devices
- Blind user interfacing
- Human-centered metal hydride actuator systems for rehabilitation
- Nascent access technologies
- Personal autonomy with e-mentoring
- Sensory Rhythmic Stimulation
- Smart sensing solutions for the visually impaired
- Web accessibility

**Market:** This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

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