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| Nota di contenuto       | SMART TECHNOLOGY FOR AGING, DISABILITY, AND INDEPENDENCE;<br>CONTENTS; PREFACE; CONTRIBUTORS; CHAPTER 1 AGING, DISABILITY,<br>AND INDEPENDENCE: TRENDS AND PERSPECTIVES; 1.1 Introduction; 1.2<br>Key Terms: Technology, Aging, Disability, and Independence; 1.3<br>Demographics of Aging and Disability; 1.4 A Model for Viewing<br>Research and Development in Technology, Aging, Disability, and<br>Independence; 1.5 Addressing Impairment (Motor and Movement,<br>Vision, Hearing, and Cognition), Pain, and Fatigue; 1.6 Personal<br>Assistance; 1.7 Consumer Perspective; References<br>PART 1 SMART TECHNOLOGY FOR AGING, DISABIITY, AND<br>INDEPENDENCECHAPTER 2 HOME AUTOMATION AND SMART HOMES TO<br>SUPPORT INDEPENDENCE; 2.1 Introduction; 2.2 Vision of the Near<br>Future: A Day in Mrs. Smith's Smart Home; 2.3 The Underlying<br>Technology of the Smart House; 2.4 Overview of the State of the |

Science in Smart Homes and Smart Home Components and Related Issues; 2.5 Smart House Construction-An Architect's Perspective; References; CHAPTER 3 ROBOTICS; 3.1 Introduction; 3.2 Personal and Assistive Robotics; 3.3 Other Issues Related to Robotics; 3.4 Summary; References  
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8.4 Use of Low- and High-Tech Mobility Devices to Increase Community Mobility8.5 Summary; References; CHAPTER 9 HOME MODIFICATIONS AND UNIVERSAL DESIGN; 9.1 Introduction; 9.2 Home Modifications; 9.3 Universal Design; 9.4 Other Environmental Considerations; 9.5 Long-Term Care Facilities Environment; 9.6 Conclusion; References; CHAPTER 10 INJURY PREVENTION AND HEALTH PROMOTION; 10.1 Introduction; 10.2 Falls; 10.3 Medication Errors; 10.4 Fire; 10.5 Poisoning; 10.6 Nutritional Health; 10.7 Conclusion; References; INDEX

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Sommario/riassunto

Independent living with smart technologiesSmart Technology for Aging, Disability, and Independence: The State of the Science brings together current research and technological developments from engineering, computer science, and the rehabilitation sciences, detailing how its applications can promote continuing independence for older persons and those with disabilities. Leading experts from multiple disciplines worldwide have contributed to this volume, making it the definitive resource. The text begins with a thorough introduction that presents important concepts, defines key te

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