Preface

Editor

Contributors

Introduction and Conceptual Foundations

Who Can Benefit from Quality of Life Technology? p. 3

Facilitators and Barriers to Technology Uptake: Individual End-User Perspectives p. 17

Facilitators and Barriers to Technology Uptake: Organizational and Societal Perspectives p. 29

Design, Development, and Evaluation

Assessing Needs, Preferences, and Attitudes Using Survey Methods p. 65

Design and Development Process p. 87

Universal Design for Quality of Life Technologies p. 107

Fostering Teamwork and Community Partnerships p. 133

Evaluating Quality of Life Technologies p. 147

Core Technologies and Their Application

Vision-Based Sensing Approaches to QoLT p. 163

HERB: Personal Assistive Mobile Manipulator in the Home p. 181

Architecture and Applications of Virtual Coaches p. 197

Nonwearable In-Home Sensing for Early Detection of Health Changes p. 227

Quality of Life Technologies in Supporting Family Caregivers p. 245

Transforming Education and the Market Place

Developing Future Generations of QoLT Researchers through Education, Outreach, and Diversity Initiatives p. 263

Innovation, Commercialization, and Start-Ups p. 279

Index p. 301

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.