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Soggetti	Engineering design Human-machine systems Computer-aided engineering Engineering Design Interaction Design Computer-Aided Engineering (CAD, CAE) and Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Preface -- Part I Measuring Product Demand and Peoples' Capabilities -- An HCI Survey on Elderly Users in India -- User Capabilities vs. Device Task Demands in a Tape Dispenser Product for Persons with Limited Dexterity -- Part II Designing Cognitive Interaction with Emerging Technologies -- Three Scanning Methods for Text Cursor Manipulation -- A Combinatory Approach to Assessing User Performance of Digital Interfaces -- How Interface Adaptation for Physical Impairment Can Help Able Bodied Users in Situational Impairment -- Gender Issues in ICT Adoption: A Literature Review -- Blind and Deaf Consumer Preferences for Android and iOS Smartphones.
Sommario/riassunto	‘Inclusive Designing’ presents the proceedings of the seventh Cambridge Workshop on Universal Access and Assistive Technology

(CWUAAT '14). It represents a unique multi-disciplinary workshop for the Inclusive Design Research community where designers, computer scientists, engineers, architects, ergonomists, policymakers and user communities can exchange ideas. The research presented at CWUAAT '14 develops methods, technologies, tools and guidance that support product designers and architects to design for the widest possible population for a given range of capabilities, within a contemporary social and economic context. In the context of developing demographic changes leading to greater numbers of older people and people with disabilities, the general field of Inclusive Design Research strives to relate the capabilities of the population to the design of products. Inclusive populations of older people contain a greater variation in sensory, cognitive and physical user capabilities. These variations may be co-occurring and rapidly changing leading to a demanding design environment. Recent research developments have addressed these issues in the context of: governance and policy; daily living activities; the workplace; the built environment, Interactive Digital TV and Mobile communications. Increasingly, a need has been identified for a multidisciplinary approach that reconciles the diverse and sometimes conflicting demands of Design for Ageing and Impairment, Usability and Accessibility and Universal Access. CWUAAT provides a platform for such a need. This book is intended for researchers, postgraduates, design practitioners, clinical practitioners, and design teachers.