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Nota di contenuto	Interface and language issues in intelligent systems for people with disabilities -- Iconic language design for people with significant speech and multiple impairments -- Lexicon for computer translation of American sign language -- On Building Intelligence into EagleEyes -- Providing intelligent language feedback for augmentative communication users -- Saliency in human-computer interaction -- A wearable computer based American sign language recognizer -- Towards automatic translation from Japanese into Japanese sign language -- An augmentative communication interface based on conversational schemata -- Assistive robotics: An overview -- Progress on the deictically controlled wheelchair -- Developing intelligent wheelchairs for the handicapped -- Integrating vision and spatial reasoning for assistive navigation -- Speech and gesture mediated intelligent teleoperation -- Personal adaptive mobility aid for the infirm and elderly blind -- HITOMI: Design and development of a Robotic Travel Aid -- NavChair: An assistive wheelchair navigation system with automatic adaptation -- Wheelesley: A robotic wheelchair system: Indoor navigation and user interface.
Sommario/riassunto	This book constitutes a carefully arranged selection of revised papers on assistive technology, first presented at related AAAI workshops

between 1995 and 1998. The book is devoted to the advancement and use of AI stimulated technology that can help users extend their current range of cognitive and sensory abilities or overcome their motor disabilities. Among various issues in the interdisciplinary area of assistive technology, the papers address topics from natural language processing, planning, robotics, user interface design, computer vision, and learning.