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Nota di contenuto	Front matter -- Acknowledgments -- Contents -- Introduction -- 1. Overview of speech and language technologies -- 2. Overview of developmental language disorders -- 3. Technology for assessment and remediation of developmental language disorders -- 4. Technology for task assessment, classroom accommodation, and communicative assistance of developmental language disorders -- 5. Conclusions and caveats about developmental language technology -- 6. Overview of acquired aphasia and disorders of word retrieval -- 7. Software for aphasia: computer-assisted treatment of word retrieval deficits in aphasia -- 8. Software for aphasia: MossTalk Words® (MTW) -- 9. Speech technology for aphasic sentence production disorders -- 10. Evaluating speech and language applications for language disorders -- 11. Conclusions -- Authors' biographies -- Index
Sommario/riassunto	This book draws on the recent remarkable advances in speech and language processing: advances that have moved speech technology beyond basic applications such as medical dictation and telephone

self-service to increasingly sophisticated and clinically significant applications aimed at complex speech and language disorders. The book provides an introduction to the basic elements of speech and natural language processing technology, and illustrates their clinical potential by reviewing speech technology software currently in use for disorders such as autism and aphasia. The discussion is informed by the authors' own experiences in developing and investigating speech technology applications for these populations. Topics include detailed examples of speech and language technologies in both remediative and assistive applications, overviews of a number of current applications, and a checklist of criteria for selecting the most appropriate applications for particular user needs. This book will be of benefit to four audiences: application developers who are looking to apply these technologies; clinicians who are looking for software that may be of value to their clients; students of speech-language pathology and application development; and finally, people with speech and language disorders and their friends and family members.