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Nota di contenuto	Part 1 (Background): Introduction -- Speech Processing Technology-Basic Consideration -- Fundamental Considerations of ANN -- Sounds of Assamese Language -- State of Research of Speech Recognition -- Part 2 (Design Aspects): Phoneme Segmentation Technique using Self Organizing Map (SOM) -- Application of Proposed Phoneme Segmentation Technique in Spoken Word Recognition -- Application of Clustering Techniques to Generate A Priori Knowledge for Spoken Word Recognition -- Application of Proposed Phoneme Segmentation Technique in Speaker Identification -- Conclusion.
Sommario/riassunto	The book discusses intelligent system design using soft computing and similar systems and their interdisciplinary applications. It also focuses on the recent trends to use soft computing as a versatile tool for designing a host of decision support systems.