



Phoneme-Based Speech Segmentation using Hybrid Soft Computing Framework [

Sarma, Mousmita.

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Engineering

Computer software

Computational Intelligence

Signal,

Image and Speech Processing

Algorithm Analysis and Problem Complexity

Monografía

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

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Contenido: 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

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Autores: Sarma, Kandarpa Kumar

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es