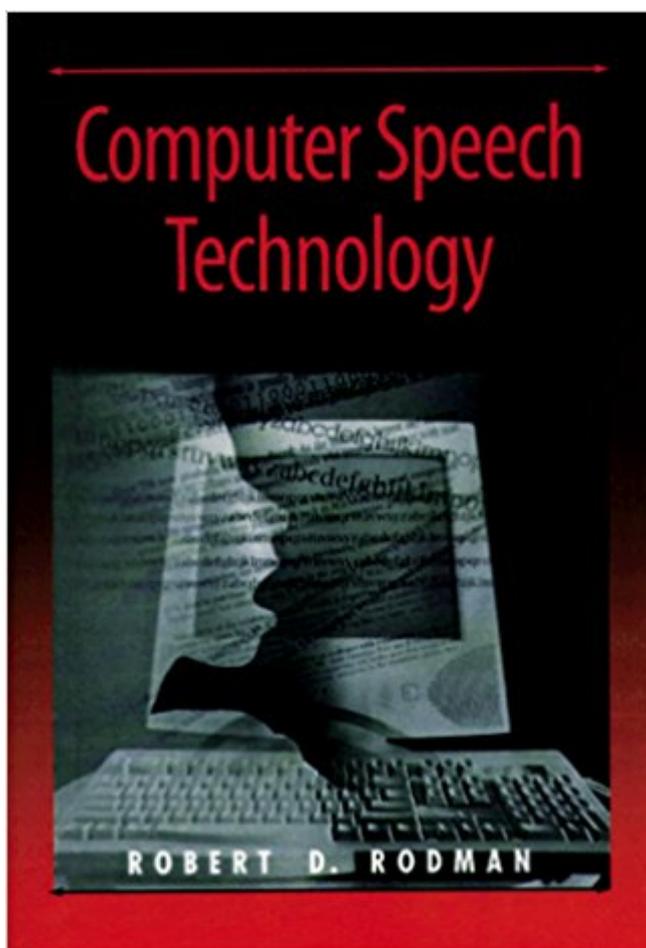


The book was found

Computer Speech Technology (Artech House Signal Processing Library)



Synopsis

Offers a non-technical overview of all the major areas in the computer processing of human speech: speech recognition; speech synthesis; speaker recognition; language identification, lip synchronisation; and co-channel separation. The text's intuitive approach uses illustrations, analogies, and both historical and state-of-the-art descriptions to explain relatively complex concepts. Specifically, it helps the reader learn the professional jargon used in different areas of speech processing, evaluate speech processing systems for specific applications, understand how the various technologies of speech processing actually work, identify practical applications for speech technology in the commercial world, and relate speech technology to actual spoken language.

Book Information

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Customer Reviews

If you are not into FFT's and HMM's, but are interested in a slightly less mathematical explanation of Automatic Speech Recognition, this is for you. Interesting, and an easy read, watch out though, the next book you get will go math on you fast. This is a great book for non-engineers. You will eventually out-grow its simple explanations - but that does not make a poor source. The book does not talk down to the novice - in the finest tradition of Carl Popper! - Well Done

I tried to use this book for a survey course on computer speech technology, but I couldn't rely on it

for much. My students cursed me for making them waste their money on this book. It doesn't talk about the material at a sufficiently high level or with enough detail to satisfy even non-mathematical college students seeking a general overview. One wonders who the intended audience is? The preface says it is professionals in the field of speech (other than engineers), and I can testify it certainly doesn't work for students. The chapters that do go over some of the mathematical underpinnings of speech processing do it in the most unsuccessful of non-mathematical ways, which is to say equations are presented but are not properly explained for those who don't already know what they are about. There is really very little meat here to chew, on a subject that deserves more. Stick to the engineering books if you actually want to know anything about this subject. There is still no alternative but to learn all the math.

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