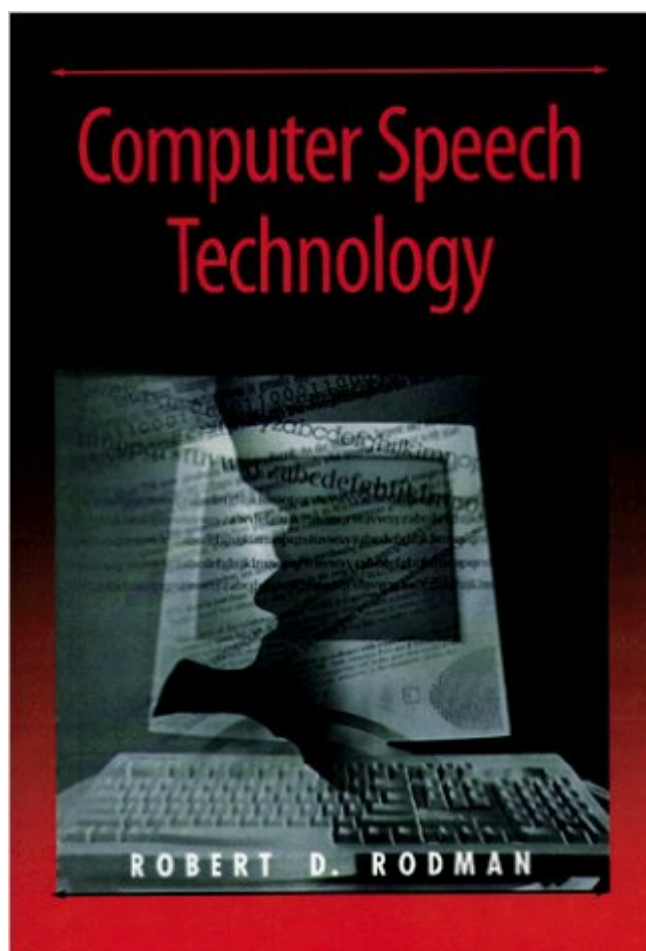


The book was found

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

Series: Artech House Signal Processing Library

Hardcover: 344 pages

Publisher: Artech Print on Demand (January 31, 1999)

Language: English

ISBN-10: 0890062978

ISBN-13: 978-0890062975

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars [See all reviews](#) (2 customer reviews)

Best Sellers Rank: #2,895,437 in Books (See Top 100 in Books) #68 in [Books > Computers & Technology > Software > Voice Recognition](#) #209 in [Books > Computers & Technology > Computer Science > AI & Machine Learning > Natural Language Processing](#) #2070 in [Books > Computers & Technology > Databases & Big Data > Data Processing](#)

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.

[Download to continue reading...](#)

Computer Speech Technology (Artech House Signal Processing Library) Handbook of Neural Networks for Speech Processing (Artech House Signal Processing Library) Multiple-Target Tracking with Radar Applications (Artech House Radar Library) (Artech House Radar Library (Hardcover)) Speech and Audio Signal Processing: Processing and Perception of Speech and Music Speech Therapy for Kids : Techniques and Parents Guide for Speech Therapy (speech therapy, speech therapy materials) Spotlight Synthetic Aperture Radar: Signal Processing Algorithms (Artech House Remote Sensing Library) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Multidimensional Digital Signal Processing (Prentice-Hall Signal Processing Series) Digital Signal Processing with Examples in MATLAB®®, Second Edition (Electrical Engineering & Applied Signal Processing Series) Discrete-Time Signal Processing (3rd Edition) (Prentice-Hall Signal Processing Series) Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series) Digital Signal Processing: with Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing Digital Processing of Synthetic Aperture Radar Data: Algorithms and Implementation [With CDROM] (Artech House Remote Sensing Library) Microwave Mixer Technology and Applications (Artech House Microwave Library (Hardcover)) Satellite Communications Fundamentals (Artech House space technology & applications library) Microwave MESFETs and HEMTs (Microwave Library) (Artech House Microwave Library (Hardcover)) Discrete-Time Speech Signal Processing: Principles and Practice Security, Rights, & Liabilities in E-Commerce (Artech House Computer Security Series) Modern Communications Receiver Design and Technology (Artech House Intelligence and Information Operations) Laser Space Communications (Artech House Space Technology and Applications)

