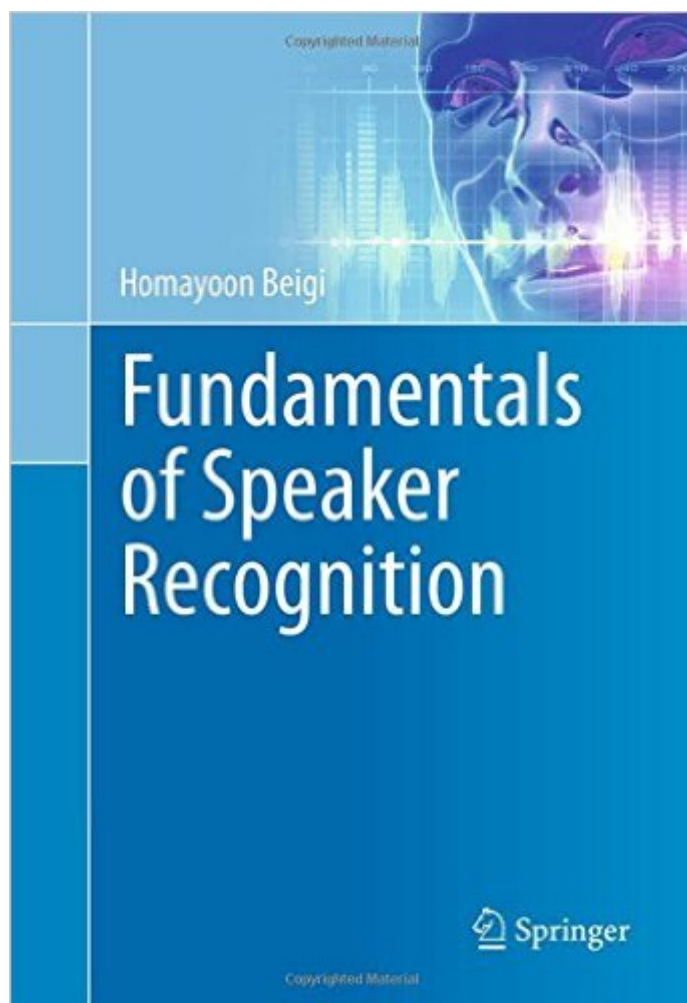# The book was found

Fundamentals Of Speaker Recognition

Synopsis

An emerging technology, Speaker Recognition is becoming well-known for providing voice authentication over the telephone for helpdesks, call centres and other enterprise businesses for business process automation. "Fundamentals of Speaker Recognition" introduces Speaker Identification, Speaker Verification, Speaker (Audio Event) Classification, Speaker Detection, Speaker Tracking and more. The technical problems are rigorously defined, and a complete picture is made of the relevance of the discussed algorithms and their usage in building a comprehensive Speaker Recognition System. Designed as a textbook with examples and exercises at the end of each chapter, "Fundamentals of Speaker Recognition" is suitable for advanced-level students in computer science and engineering, concentrating on biometrics, speech recognition, pattern recognition, signal processing and, specifically, speaker recognition. It is also a valuable reference for developers of commercial technology and for speech scientists. Please click on the link under "Additional Information" to view supplemental information including the Table of Contents and Index.

Book Information

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Customer Reviews

This is the first scientifically written textbook on the subject of Speaker Recognition. I had the pleasure of reviewing several chapters of the draft version and what struck me most was the depth and comprehensive manner in which the subject is treated. More than 800 references have been consulted and cited by the author, who spent 4 years working on this book. The textbook is

self-contained: several chapters at the end of the book are dedicated to the background mathematics (such as linear algebra, integral transforms and non-linear optimization techniques).The subject matter (speaker recognition) has many applications that may not be obvious at first glance. The author lists several of these in the Introductory chapter including financial applications, audio and video indexing, proctorless oral exams and surveillance. Speaker recognition is compared to twelve other Biometrics (from DNA to fingerprints, from face recognition to handwriting recognition) and the author then demonstrates how a multimodal recognition system can improve the accuracy of any single mode recognition approach.This textbook is most appropriate for a graduate level engineering or CS course. Ideally, students would have already taken courses on signal processing and probability and statistics. A couple of the chapters include problem sets for the students to solve but the course instructor will have to devise his/her own problem sets for the large part. Despite the voluminous nature of the book and the proliferation of mathematical equations (which is inevitable for a textbook of this nature), the book is easy to read and follow and the author has made a clear effort to engage, and share his passion with, the reader.I highly recommend this book to any professional working in the field of Biometrics.

As a practitioner of pattern recognition and computer vision I have benefitted from this book. I find it thorough and comprehensive in its treatment of its topics, which in my view are fairly extensive. It often traces back its topics to the seminal work on which they rest and elaborates them in reasonable details with rigor while offering ample introductory description as supplemental.

By writing Fundamentals of Speaker Recognition, Homayoon Beigi took up the challenge to compose a comprehensive book on a rapidly growing scientific field. The result is 942 pages of a good academically structured literature. Whether one is a faculty, an engineer, a researcher or a student, he/she will find in Fundamentals of Speaker Recognition the necessary concepts for see soaking and/or reviewing the theories, theorems and practical applications of the fascinating domain of speaker recognition. While keeping next to me this first edition, I am impatient to get an eventual newer one to come or another book from this author who is well dedicated to his work.

Best book for speaker & speech recognition ! . Concepts explained very clearly . My personal favorite is the probability review . Professor is really awesome and has tons for experience in this field. Worth reading for any Masters or PhD enthusiast .

Fundamentals of Speaker Recognition A Speaker's Guidebook: Text and Reference A Speaker's Guidebook: Text and Reference, Sixth Edition Fundamentals of Nursing: Human Health and Function (Craven, Fundamentals of Nursing: Human Health and Functionraven, Fundamentals of Nurs) Dictation: Dictate Your Writing - Write Over 1,000,000 Words A Year Without Breaking A Sweat! (Writing Habits, Write Faster, Productivity, Speech Recognition Software, Dragon Naturally Speaking) How to Build a Speech Recognition Application: Second Edition: A Style Guide for Telephony Dialogues Machine Learning: An Algorithmic Perspective, Second Edition (Chapman & Hall/Crc Machine Learning & Pattern Recognition) Optical Character Recognition: An Illustrated Guide to the Frontier (The Springer International Series in Engineering and Computer Science) Jis-Kanji Character Recognition: Featuring the Gaiji Method/Book and Disk (Vnr Computer Library) Proceedings of the Third International Conference on Document Analysis and Recognition: August 14-16, 1995, Montreal, Canada Proceedings Fifth IEEE International Conference on Automatic Face and Gesture Recognition: Washington, D.C., 20-21 May 2002 Selected Papers on Optical Pattern Recognition (SPIE Milestone Series Vol. MS156) Character Recognition Technologies: 1-2 February 1993 San Jose, California (Proceedings of Spie) 4th International Conference on Document Analysis and Recognition - Icdar '97 Automatic Speech Recognition: A Deep Learning Approach (Signals and Communication Technology) Statistical Methods for Speech Recognition (Language, Speech, and Communication) Neuro-Fuzzy Pattern Recognition: Methods in Soft Computing Introduction to EEG- and Speech-Based Emotion Recognition The Art and Business of Speech Recognition: Creating the Noble Voice Speech Recognition: Theory and C++ Implementation