Fundamentals of Speaker Recognition

By Homayoon Beigi

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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.

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Editorial Review

Review

From the reviews:

"... there is no comprehensive overview of speaker recognition.

Aside from the absence of a complete overview of the technology there is a commercial need for a good reference. The reason is that the commercial market for speaker recognition is growing and a need to have scientists and technology developers who understand and can work with this technology.

It goes into far more technical depth than other publications - mostly because those other publications cover other topics as well.

It is a scholarly book that does not appear to be representing knowledge about the topic through the filter of a specific product or kind of application. That is very good for scientists and scholars. Consequently, it would be a good text book or technical reference."

Judith Markowitz (J. Markowitz Consultants, Chicago, Illinois, USA)

"In short, this publication would be a service to many researchers and practitioners of this science and technology. I do not know of any other book on the subject. I am much impressed with the depth and breadth that the subject is going to be treated as evidenced from its table of contents."

Fereydoun Maali, Ph.D. (ICx Vision Systems, Phoenix, Arizona, USA)

"This book is unique in several respects. It is the most exhaustive text on speaker recognition available. It is also truly self-contained. About a third of the text is devoted to the background information needed for understanding speaker recognition technology. … this text sets the standard for speaker recognition textbooks. I recommend it both as an introduction to the subject and as a reference on speaker recognition techniques." (Vladimir Botchev, ACM Computing Reviews, January, 2013)

Users Review

From reader reviews:

Margherita Pettit:

Reading a guide tends to be new life style in this era globalization. With looking at you can get a lot of information which will give you benefit in your life. Using book everyone in this world may share their idea. Textbooks can also inspire a lot of people. Lots of author can inspire their very own reader with their story as well as their experience. Not only the storyline that share in the textbooks. But also they write about the data about something that you need example of this. How to get the good score toefl, or how to teach your sons or daughters, there are many kinds of book that you can get now. The authors nowadays always try to improve their skill in writing, they also doing some study before they write to their book. One of them is this

Fundamentals of Speaker Recognition.

Charles Bock:

Spent a free time for you to be fun activity to accomplish! A lot of people spent their free time with their family, or their own friends. Usually they carrying out activity like watching television, going to beach, or picnic in the park. They actually doing same task every week. Do you feel it? Do you want to something different to fill your own personal free time/ holiday? Could possibly be reading a book may be option to fill your cost-free time/ holiday. The first thing you ask may be what kinds of book that you should read. If you want to try look for book, may be the publication untitled Fundamentals of Speaker Recognition can be excellent book to read. May be it is usually best activity to you.

Nora Emerson:

The reason why? Because this Fundamentals of Speaker Recognition is an unordinary book that the inside of the guide waiting for you to snap that but latter it will zap you with the secret it inside. Reading this book close to it was fantastic author who have write the book in such incredible way makes the content on the inside easier to understand, entertaining approach but still convey the meaning completely. So , it is good for you for not hesitating having this any longer or you going to regret it. This amazing book will give you a lot of positive aspects than the other book include such as help improving your skill and your critical thinking technique. So , still want to postpone having that book? If I have been you I will go to the reserve store hurriedly.

Shelia Tonn:

Fundamentals of Speaker Recognition can be one of your basic books that are good idea. We all recommend that straight away because this reserve has good vocabulary that can increase your knowledge in terminology, easy to understand, bit entertaining but delivering the information. The author giving his/her effort to set every word into enjoyment arrangement in writing Fundamentals of Speaker Recognition although doesn't forget the main point, giving the reader the hottest and based confirm resource info that maybe you can be considered one of it. This great information may drawn you into new stage of crucial considering.

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