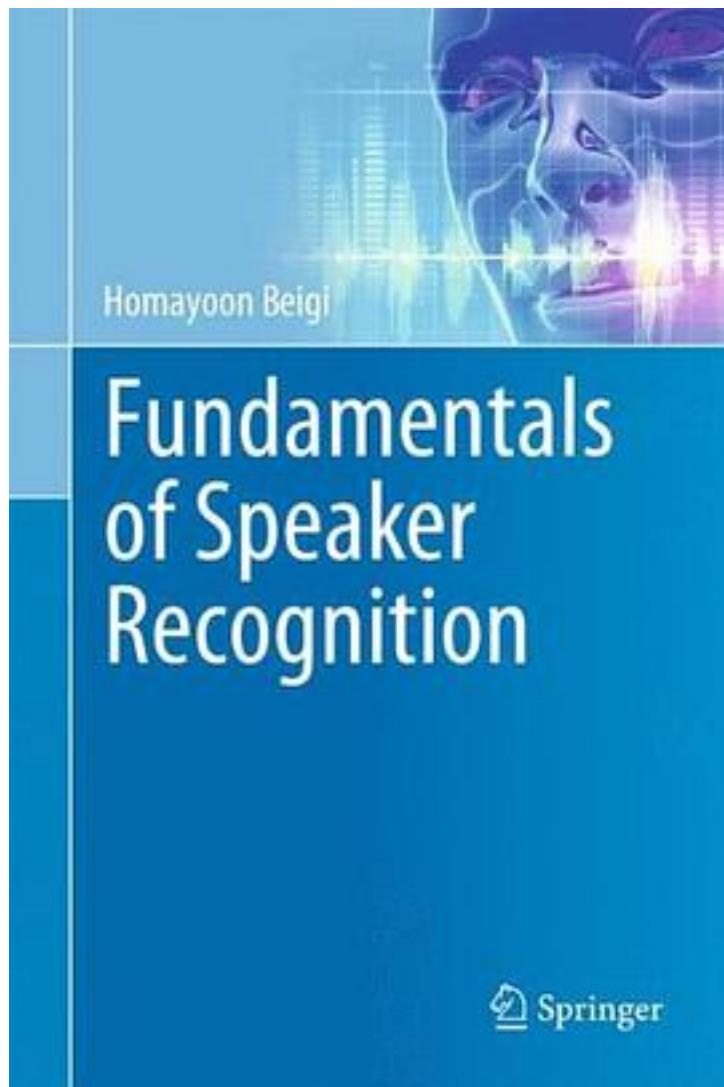


Fundamentals of Speaker Recognition



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著者:Homayoon Beigi

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Speaker Recognition is an emerging technology which has become quite popular due to its practicality of implementation in an existing telephone infrastructure, and the capability of remote biometric authentication. It is a multidisciplinary subject with information scattered throughout different research publications and textbooks. Speaker Recognition is getting more and more known for providing voice authentication over the telephones for helpdesks, call centers and other enterprise business for business process automation. Technology is evolving to support the consumer end solutions, where people have to understand the fundamentals of speaker recognition.

A single textbook which treats Speaker Recognition with all the theoretical details is highly desirable by advanced level students in computer science and engineering, concentrating on biometrics, speech recognition, pattern recognition, signal processing and specifically speaker recognition. It will also be desired by developers of commercial technology and speech scientists.

The Fundamentals of Speaker Recognition introduces the different branches of Speaker Recognition: Speaker Identification, Speaker Verification, Speaker Classification (Audio Event Classification), Speaker Detection, Speaker Tracking and more. The technical problems are formed and rigorously defined in detail, and practical algorithms are covered in this text. A complete picture is made of the relevance of the discussed algorithms and their usage in building a comprehensive Speaker Recognition System. This text book also includes examples and exercises at the end of each chapter (with a direct link to a solution's manual).

The Fundamentals of Speaker Recognition is truly designed as a textbook for advanced level students in computer science and engineering. This textbook is also suitable for practitioners and researchers in industry.

作者介绍:

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