



Novel Techniques for Dialectal Arabic Speech Recognition

Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker

Download now

[Click here](#) if your download doesn't start automatically

Novel Techniques for Dialectal Arabic Speech Recognition

Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker

Novel Techniques for Dialectal Arabic Speech Recognition Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker

Novel Techniques for Dialectal Arabic Speech describes approaches to improve automatic speech recognition for dialectal Arabic. Since speech resources for dialectal Arabic speech recognition are very sparse, the authors describe how existing Modern Standard Arabic (MSA) speech data can be applied to dialectal Arabic speech recognition, while assuming that MSA is always a second language for all Arabic speakers.

In this book, Egyptian Colloquial Arabic (ECA) has been chosen as a typical Arabic dialect. ECA is the first ranked Arabic dialect in terms of number of speakers, and a high quality ECA speech corpus with accurate phonetic transcription has been collected. MSA acoustic models were trained using news broadcast speech. In order to cross-lingually use MSA in dialectal Arabic speech recognition, the authors have normalized the phoneme sets for MSA and ECA. After this normalization, they have applied state-of-the-art acoustic model adaptation techniques like Maximum Likelihood Linear Regression (MLLR) and Maximum A-Posteriori (MAP) to adapt existing phonemic MSA acoustic models with a small amount of dialectal ECA speech data. Speech recognition results indicate a significant increase in recognition accuracy compared to a baseline model trained with only ECA data.

 [Download Novel Techniques for Dialectal Arabic Speech Recog ...pdf](#)

 [Read Online Novel Techniques for Dialectal Arabic Speech Rec ...pdf](#)

Download and Read Free Online Novel Techniques for Dialectal Arabic Speech Recognition Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker

From reader reviews:

Charles Beaudoin:

Reading a guide can be one of a lot of pastime that everyone in the world really likes. Do you like reading book so. There are a lot of reasons why people love it. First reading a reserve will give you a lot of new facts. When you read a e-book you will get new information because book is one of several ways to share the information or their idea. Second, looking at a book will make you more imaginative. When you studying a book especially fictional works book the author will bring one to imagine the story how the characters do it anything. Third, you could share your knowledge to other individuals. When you read this Novel Techniques for Dialectal Arabic Speech Recognition, you are able to tells your family, friends along with soon about yours reserve. Your knowledge can inspire different ones, make them reading a guide.

Johnny Rogowski:

The e-book with title Novel Techniques for Dialectal Arabic Speech Recognition includes a lot of information that you can study it. You can get a lot of benefit after read this book. That book exist new expertise the information that exist in this e-book represented the condition of the world currently. That is important to yo7u to find out how the improvement of the world. This particular book will bring you within new era of the the positive effect. You can read the e-book in your smart phone, so you can read that anywhere you want.

Kimberly Foley:

Reading can called mind hangout, why? Because while you are reading a book particularly book entitled Novel Techniques for Dialectal Arabic Speech Recognition your thoughts will drift away trough every dimension, wandering in every aspect that maybe unfamiliar for but surely will end up your mind friends. Imaging each and every word written in a guide then become one application form conclusion and explanation in which maybe you never get prior to. The Novel Techniques for Dialectal Arabic Speech Recognition giving you another experience more than blown away the mind but also giving you useful info for your better life on this era. So now let us explain to you the relaxing pattern at this point is your body and mind are going to be pleased when you are finished studying it, like winning a game. Do you want to try this extraordinary paying spare time activity?

Andrea Quirk:

In this particular era which is the greater particular person or who has ability to do something more are more precious than other. Do you want to become one of it? It is just simple approach to have that. What you should do is just spending your time little but quite enough to possess a look at some books. On the list of books in the top listing in your reading list is definitely Novel Techniques for Dialectal Arabic Speech Recognition. This book that is qualified as The Hungry Hillside can get you closer in becoming precious person. By looking right up and review this reserve you can get many advantages.

**Download and Read Online Novel Techniques for Dialectal Arabic
Speech Recognition Mohamed Elmahdy, Rainer Gruhn, Wolfgang
Minker #U0ODQ8N659X**

Read Novel Techniques for Dialectal Arabic Speech Recognition by Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker for online ebook

Novel Techniques for Dialectal Arabic Speech Recognition by Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Novel Techniques for Dialectal Arabic Speech Recognition by Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker books to read online.

Online Novel Techniques for Dialectal Arabic Speech Recognition by Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker ebook PDF download

Novel Techniques for Dialectal Arabic Speech Recognition by Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker Doc

Novel Techniques for Dialectal Arabic Speech Recognition by Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker Mobipocket

Novel Techniques for Dialectal Arabic Speech Recognition by Mohamed Elmahdy, Rainer Gruhn, Wolfgang Minker EPub