

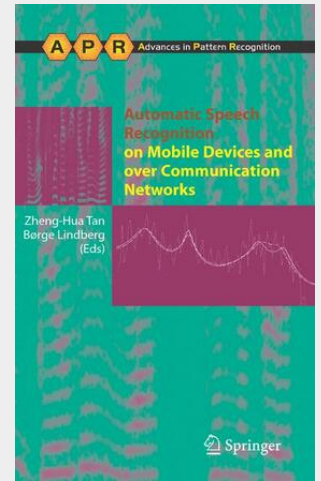
Automatic Speech Recognition on Mobile Devices and Over Communication Networks

In the last decade the remarkable advances in computing and networking have sparked an enormous interest in deploying automatic speech recognition in devices and networks, and the trend is accelerating. This book brings together leading academic researchers and industrial practitioners to address the issues in this emerging realm. It covers networked, distributed and embedded speech recognition systems, which are expected to co-exist in the future. The book is divided into four parts: networked speech recognition, distributed speech recognition, embedded speech recognition, and systems and applications. A profound and unified introduction about this area and its latest development is provided, as well as working knowledge needed for research and practical application deployment. This book covers the most up-to-date standards and a number of systems. This all-inclusive reference is an essential read for graduate students, scientists and engineers working or researching in the field of speech recognition and processing.

The remarkable advances in computing and networking have sparked an enormous interest in deploying automatic speech recognition on mobile devices and over communication networks. This trend is accelerating. This book brings together leading academic researchers and industrial practitioners to address the issues in this emerging realm and presents the reader with a comprehensive introduction to the subject of speech recognition in devices and networks. It covers network, distributed and embedded speech recognition systems, which are expected to co-exist in the future. It offers a wide-ranging, unified approach to the topic and its latest development, also covering the most up-to-date standards and several off-the-shelf systems. Key features:

- Provides an in-depth review of network speech recognition, distributed speech recognition, embedded speech recognition, systems and applications
- Begins with a comprehensive overview of the subject, discussing the pros and cons of the presented approaches, and guiding the reader through the following chapters
- Includes platforms like mobile phones, PDAs and automobiles
- Presents state-of-the-art methods, advanced systems, and the latest standards
- Offers working knowledge needed for both research and practice

References supplemental material at associated complementary website at: <http://asr.es.aau.dk> This all-inclusive text/reference is an essential read for graduate students, scientists and engineers working or researching in the field of speech recognition and processing. It offers a self-contained approach to this hot research topic.



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