



Information Hiding in Speech Signals for Secure Communication

Zhijun Wu

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In the digital world, the need to protect communications increases every day. While traditional digital encryption methods are useful, there are many other options for hiding your information. *Information Hiding in Speech Signals for Secure Communication* provides a number of methods to hide secret speech information using a variety of digital speech coding standards. Professor Zhijun Wu has conducted years of research in the field of speech information hiding, and brings his state-of-the-art techniques to readers of this book, including a mathematical model for information hiding, the core concepts of secure speech communication, the ABS-based information hiding algorithm, and much more.

This book shows how to implement a secure speech communication system, including applications to various network security states. Readers will find information hiding algorithms and techniques (embedding and extracting) that are capable of withstanding the advanced forms of attack. The book presents concepts and applications for all of the most widely used speech coding standards, including G.711, G.721, G.728, G.729 and GSM, along with corresponding hiding and extraction algorithms. Readers will also learn how to use a speech covert communication system over an IP network as well as a speech secure communication system applied in PSTN.

- Presents information hiding theory and the mathematical model used for information hiding in speech.
- Provides a number of methods to hide secret speech information using the most common digital speech coding standards.
- A combination of practice and theory enables programmers and system designers not only to implement tried and true encryption procedures, but also to consider probable future developments in their designs.

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Randy Johnson:

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Edward Shaw:

Playing with family in a very park, coming to see the ocean world or hanging out with friends is thing that usually you might have done when you have spare time, in that case why you don't try matter that really opposite from that. A single activity that make you not experience tired but still relaxing, trilling like on roller coaster you already been ride on and with addition info. Even you love Information Hiding in Speech Signals for Secure Communication, it is possible to enjoy both. It is great combination right, you still wish to miss it? What kind of hang-out type is it? Oh can happen its mind hangout people. What? Still don't get it, oh come on its named reading friends.

Lewis Shafer:

In this age globalization it is important to someone to get information. The information will make you to definitely understand the condition of the world. The condition of the world makes the information quicker to share. You can find a lot of sources to get information example: internet, magazine, book, and soon. You can view that now, a lot of publisher in which print many kinds of book. The book that recommended for you is Information Hiding in Speech Signals for Secure Communication this reserve consist a lot of the information on the condition of this world now. This kind of book was represented how can the world has

grown up. The language styles that writer require to explain it is easy to understand. The actual writer made some research when he makes this book. This is why this book appropriate all of you.

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