

## <<Designing Effective >>

### 图书基本信息

书名：<<Designing Effective Speech Interfaces 语音接口设计>>

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### 内容概要

It's not just a far-fetched gizmo straight out of a sci-fi movie anymore. Speech interface technology, which allows a user to communicate with computers via voice instead of a keyboard or a mouse, is quickly becoming a main feature in new software. This straightforward guide provides traditional graphical user-interface designers, developers, usability engineers, and product managers with all the information they need to make a rapid transition in order to stay abreast of this monumental shift in technology. Weinschenk and Barker, two experts in state-of-the-art online communication, discuss the basics of speech interfaces and speech technology, hardware, and software. They clearly explain the interface design principles that are applied to S/GUI and AUI interfaces and describe the latest practices of leading experts. In addition to its in-depth look at speech technologies and the different types of user interfaces, this book: Provides an overview of the field of human factors and defines the basic concepts of human computer interaction Discusses the current state of speech technology applications Explains the laws of human factors that apply to speech interfaces Contains guidelines and examples for user control, human limitation, model integrity, accommodation, clear dialogue, and aesthetic integrity Details the best practices in interface design and usability engineering Explores the special issues involved in interface design for disabled persons Visit the companion web site at [www.wiley.com/compbooks/weinschenk/](http://www.wiley.com/compbooks/weinschenk/) for a categorized resource list of speech, speech interface, and human-computer interaction books, articles, and links.

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## 书籍目录

IntroductionPart One-Introduction to Speech Interfaces Chapter 1-Basic Concepts What Is an Interface?  
 What Are the Types of Interfaces? What Is a Speech Interface? Book Focus Intended Audience  
 Book Summary Chapter 2-Human Factors in Speech Technology A Brief History Human Factors in  
 Speech The Cost/Benefit of Human Factors Cost-Benefit Calculations Interview with John Karat,  
 Summary Chapter 3-The Nature of Sound Measurement of Sound Other Properties of Sound  
 How Humans Hear Sound Summary Chapter 4-The Nature of Language The Verbal  
 Communication Process The Structure of Language SummaryPart Two-Speech Technology Chapter  
 5-Speech Technologies Speech Recognition Speech Synthesis Natural Language Interview with  
 Candace Kamm Summary Chapter 6-Computer Software Speech Recognition Suites  
 Development Tools A Comparison of Speech Recognition Suites Summary Chapter 7-Hardware  
 Computer Hardware Information Devices Summary Chapter 8-Application Interactive Voice  
 Response Medical Legal Business Commercial/Warehouse Interview with S. Ahmed Reza  
 Universal Access Handheld Devices Toys and Education Automobile Applications  
 SummaryPart Three-Laws and Guidelines for Speech Interface Design Chapter 9 Laws of Interface Design  
 Chapter 10 Speech GuidelinesPart Four-Best Practices Chapter 11 Usability Processes and Technique Chapter 12  
 Universal Design Chapter A A History of Relevant Technology for Speech Chapter B Glossary Chapter C  
 Resources Chapter D BibliographyIndex

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