

<<Designing Effective >>

图书基本信息

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

13位ISBN编号：9780471375456

10位ISBN编号：0471375454

出版时间：2000-2

出版时间：吉林长白山

作者：Weinschenk, Susan; Barker, Dean T.

页数：405

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<Designing Effective >>

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/ for a categorized resource list of speech, speech interface, and human-computer interaction books, articles, and links.

<<Designing Effective >>

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

<<Designing Effective >>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>