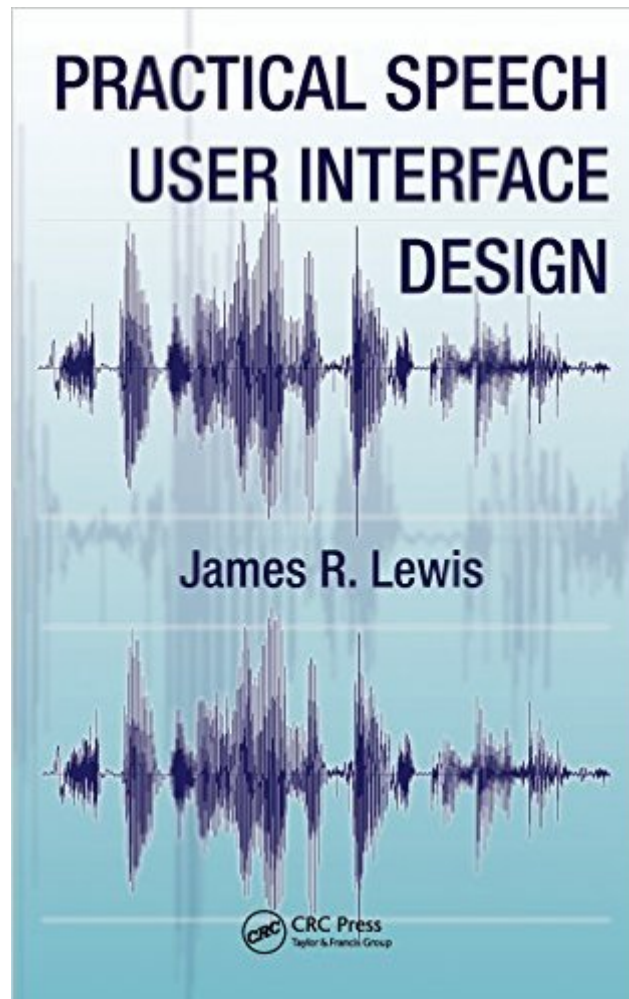


The book was found

# Practical Speech User Interface Design (Human Factors And Ergonomics)



## Synopsis

Although speech is the most natural form of communication between humans, most people find using speech to communicate with machines anything but natural. Drawing from psychology, human-computer interaction, linguistics, and communication theory, *Practical Speech User Interface Design* provides a comprehensive yet concise survey of practical speech user interface (SUI) design. It offers practice-based and research-based guidance on how to design effective, efficient, and pleasant speech applications that people can really use. Focusing on the design of speech user interfaces for IVR applications, the book covers speech technologies including speech recognition and production, ten key concepts in human language and communication, and a survey of self-service technologies. The author, a leading human factors engineer with extensive experience in research, innovation and design of products with speech interfaces that are used worldwide, covers both high- and low-level decisions and includes Voice XML code examples. To help articulate the rationale behind various SUI design guidelines, he includes a number of detailed discussions of the applicable research. The techniques for designing usable SUIs are not obvious, and to be effective, must be informed by a combination of critically interpreted scientific research and leading design practices. The blend of scholarship and practical experience found in this book establishes research-based leading practices for the design of usable speech user interfaces for interactive voice response applications.

## Book Information

Series: Human Factors and Ergonomics

Hardcover: 344 pages

Publisher: CRC Press; 1 edition (December 10, 2010)

Language: English

ISBN-10: 1439815844

ISBN-13: 978-1439815847

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,221,983 in Books (See Top 100 in Books) #28 in [Books > Computers & Technology > Software > Voice Recognition](#) #106 in [Books > Computers & Technology > Computer Science > AI & Machine Learning > Natural Language Processing](#) #122 in [Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems >](#)

Ergonomics

[Download to continue reading...](#)

Practical Speech User Interface Design (Human Factors and Ergonomics) SharePoint 2013  
Branding and User Interface Design Designing with the Mind in Mind, Second Edition: Simple Guide  
to Understanding User Interface Design Guidelines The Measure of Man and Woman: Human  
Factors in Design Reinforced Periodontal Instrumentation and Ergonomics for the Dental Care  
Provider Computer Organization and Design, Fifth Edition: The Hardware/Software Interface (The  
Morgan Kaufmann Series in Computer Architecture and Design) Computer Organization and  
Design: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture  
and Design) Nursing: Human Science And Human Care (Watson, Nursing: Human Science and  
Human Care) Crisis Management in Acute Care Settings: Human Factors, Team Psychology, and  
Patient Safety in a High Stakes Environment Human Factors in the Built Environment Making the  
Bride's Father's Speech: Know What to Say and When to Say It - Be Positive, Humorous and  
Sensitive - Deliver the Memorable Speech (Essentials) The Complete Book of Speech  
Communication: A Workbook of Ideas and Activities for Students of Speech and Theatre Speech  
and Language Processing: An Introduction to Natural Language Processing, Computational  
Linguistics and Speech Recognition Windows Speech Recognition Programming: With Visual Basic  
and ActiveX Voice Controls (Speech Software Technical Professionals) Speech Science Primer:  
Physiology, Acoustics, and Perception of Speech Using Speech Recognition Software: Dragon  
NaturallySpeaking and Windows Speech Recognition, Second Edition An Introduction to  
Text-to-Speech Synthesis (Text, Speech and Language Technology) Pro Microsoft Speech Server  
2007: Developing Speech Enabled Applications with .NET (Expert's Voice in .NET) Clinical  
Measurement of Speech & Voice (Speech Science) Fire Stick: The 2016 User Guide And Manual -  
Learn How To Install Android Apps On Your Fire TV Stick! (Streaming Devices, How To Use Fire  
Stick, Fire TV Stick User Guide)

[Dmca](#)