1. Record Nr.   UNINA9910830984103321

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   Titolo   Spoken, multilingual and multimodal dialogue systems [[electronic resource]] : development and assessment / / Ramon Lopez-Cozar Delgado, Masahiro Araki

   Pubbl/distr/stampa   Chichester, England ; ; Hoboken, NJ, : John Wiley, c2005

   ISBN   1-280-73948-7
                   9786610739486
                   0-470-02157-8
                   0-470-02156-X

   Descrizione fisica   1 online resource (273 p.)

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   Disciplina   006.54

   Soggetti   Speech processing systems
                   Multilingual computing

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Description based upon print version of record.

   Nota di bibliografia   Includes bibliographical references (p. [239]-252) and index.
                   Includes web resources.

   Nota di contenuto   Spoken, Multilingual and Multimodal Dialogue Systems; Contents; Preface; 1 Introduction to Dialogue Systems; 1.1 Human-Computer Interaction and Speech Processing; 1.2 Spoken Dialogue Systems; 1.2.1 Technological Precedents; 1.3 Multimodal Dialogue Systems; 1.4 Multilingual Dialogue Systems; 1.5 Dialogue Systems Referenced in This Book; 1.6 Area Organisation and Research Directions; 1.7 Overview of the Book; 1.8 Further Reading; 2 Technologies Employed to Set Up Dialogue Systems; 2.1 Input Interface; 2.1.1 Automatic Speech Recognition; 2.1.2 Natural Language Processing
                   2.1.3 Face Localisation and Tracking2.1.4 Gaze Tracking; 2.1.5 Lip-reading Recognition; 2.1.6 Gesture Recognition; 2.1.7 Handwriting Recognition; 2.2 Multimodal Processing; 2.2.1 Multimodal Data Fusion; 2.2.2 Multimodal Data Storage; 2.2.3 Dialogue Management; 2.2.4 Task Module; 2.2.5 Database Module; 2.2.6 Response Generation; 2.3 Output Interface; 2.3.1 Graphic Generation; 2.3.2 Natural Language Generation; 2.3.3 Speech Synthesis; 2.3.4 Sound Generation; 2.3.5 Tactile/Haptic Generation; 2.4 Summary; 2.5 Further Reading; 3

Sommario/riassunto	Dialogue systems are a very appealing technology with an extraordinary future. Spoken, Multilingual and Multimodal Dialogues Systems: Development and Assessment addresses the great demand for information about the development of advanced dialogue systems combining speech with other modalities under a multilingual framework. It aims to give a systematic overview of dialogue systems and recent advances in the practical application of spoken dialogue systems. Spoken Dialogue Systems are computer-based systems developed to provide information and carry out simple tasks using speech as the