Record Nr. UNINA9910462090303321 Challenges for Arabic machine translation [[electronic resource] /] / **Titolo** edited by Abdelhadi Soudi ...[et. al.] Pubbl/distr/stampa Amsterdam;; Philadelphia,: John Benjamins Pub. Co., 2012 **ISBN** 1-283-52154-7 9786613833990 90-272-7362-6 Descrizione fisica 1 online resource (165 p.) Collana Natural language processing;; v. 9 Altri autori (Persone) SoudiAbdelhadi Disciplina 492.7/8020285635 Soggetti Machine translating English language - Translating into Arabic Arabic language - Translating into English Speech processing systems Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Challenges for Arabic Machine Translation; Editorial page; Title page; LCC data; Table of contents; Preface; Introduction; 1. Overview; 2. Challenges of Arabic machine translation; 3. Arabic linguistic resources; 4. Example-based machine translation; 5. Statistical machine translation; 6. Knowledge-based machine translation; 7. Arabic transliteration scheme; References; Linguistic resources for Arabic machine translation; 1. Introduction; 2. LDC's distribution model; 3. Arabic speech collections; 4. Arabic text collections; 4.1 Parallel text; 4.2 NIST resources 5. Arabic morphological analyzer6. Arabic treebank and parallel English treebank; 7. Arabic-English word alignment; 8. Additional resources; References; Using morphology to improve Example-Based Machine Translation; 1. Introduction; 2. Example-Based Machine Translation: What is it and why use it?; 3. Adding morphology to EBMT for Arabicto-English translation; 3.1 Generalization and morphological analysis in

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## Sommario/riassunto

This book is the first volume that focuses on the specific challenges of machine translation with Arabic either as source or target language. It nicely fills a gap in the literature by covering approaches that belong to the three major paradigms of machine translation: Example-based, statistical and knowledge-based. It provides broad but rigorous coverage of the methods for incorporating linguistic knowledge into empirical MT. The book brings together original and extended contributions from a group of distinguished researchers from both academia and industry. It is a welcome and much-needed r