



Two sepedi-english code-switched speech corpora

Thipe I. Modipa^{1,2} · Marelle H. Davel^{2,3}

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Abstract

We report on the development of two reference corpora for the analysis of Sepedi-English code-switched speech in the context of automatic speech recognition. For the first corpus, possible English events were obtained from an existing corpus of transcribed Sepedi-English speech. The second corpus is based on the analysis of radio broadcasts: actual instances of code switching were transcribed and reproduced by a number of native Sepedi speakers. We describe the process to develop and verify both corpora and perform an initial analysis of the newly produced data sets. We find that, in naturally occurring speech, the frequency of code switching is unexpectedly high for this language pair, and that the continuum of code switching (from unmodified embedded words to loanwords absorbed into the matrix language) makes this a particularly challenging task for speech recognition systems.

Keywords Code switching · Speech corpus · Multilingual speech recognition · Sepedi

1 Introduction

Many bilingual and multilingual environments are characterised by the presence of one dominant language or lingua franca and a number of other, typically diverse languages. The dominant language is often a language that is widely spoken, such as English or French. Speakers whose primary (or *matrix*) language is one of the other – often smaller, in terms of number of first language speakers – languages used in the presence of a dominant language, typically use words from the dominant language when they converse in the matrix language.

✉ Thipe I. Modipa
thipe.modipa@ul.ac.za

¹ Department of Computer Science, University of Limpopo, University Road, Sovenga, Polokwane, South Africa

² Centre for Artificial Intelligence Research (CAIR), National Institute for Theoretical and Computational Sciences (NITheCS), Pretoria, South Africa

³ Faculty of Engineering, North-West University, Potchefstroom, South Africa

Points Of Prepared Speech In Sepedi Language

Katrin Zwirglmaier



Points Of Prepared Speech In Sepedi Language:

Subtitling Through Speech Recognition Pablo Romero-Fresco, 2020-09-30 Based on sound research and first hand experience in the field Subtitling through Speech Recognition Respeaking is the first book to present a comprehensive overview of the production of subtitles through speech recognition in Europe Topics covered include the origins of subtitling for the deaf and hard of hearing the different methods used to provide live subtitles and the training and professional practice of respeaking around the world The core of the book is devoted to elaborating an in depth respeaking course including the skills required before during and after the respeaking process The volume also offers detailed analysis of the reception of respeaking featuring information about viewers preferences comprehension and perception of respoken subtitles obtained with eye tracking technology Accompanying downloadable resources feature a wealth of video clips and documents designed to illustrate the material in the book and to serve as a basis for the exercises included at the end of each chapter The working language of the book is English but the downloadable resources also contain sample material in Dutch French Galician German Italian and Spanish Subtitling through Speech Recognition Respeaking is designed for use as a coursebook for classroom practice or as a handbook for self learning It will be of interest to undergraduate and postgraduate students as well as freelance and in house language professionals It will also find a reading public among broadcasters cinema theatre and museum managers as well as the deaf and members of deaf associations who may use the volume to support future campaigns and enhance the quality of the speech to text accessibility they provide to their members

Language and Identity in a Multilingual, Migrating World, 2023-02-20 Multilingualisms vary Given such variation how can those from essentially mono chromatic monolingual backgrounds begin to appreciate the colorful multilingual realities of the majority world This question led to the symposium Language and Identity in a Multilingual Migrating World May 10 15 2018 in Penang Malaysia This resulting four part collection of papers J Stephen Quakenbush *Debates of the Transkei Legislative Assembly* Transkei (South Africa). Legislative Assembly, 1976-03 *Drama in Sesotho* David Ambrose, 2006

Language and Power. The Implications of Language for Peace and Development Birgit Brock-Utne, 2008-12-31 Language is a tool used to express thoughts to hide thoughts or to hide lack of thoughts It is often a means of domination The question is who has the power to define the world around us This book demonstrates how language is being manipulated to form the minds of listeners or readers Innocent words may be used to conceal a reality which people would have reacted to had the phenomena been described in a straightforward manner The nice and innocent concept cost sharing which leads our thoughts to communal sharing and solidarity may actually imply privatization The false belief that the best way to learn a foreign language is to have it as a language of instruction actually becomes a strategy for stupidification of African pupils In this book 33 independent experts from 16 countries in the North and the South show how language may be used to legitimize war making promote Northern interests in the field of development and retain colonial speech as languages of instruction

languages of the courts and in politics The book has been edited by two Norwegians Birgit Brock Utne is a professor at the University of Oslo and a consultant in education and development From 1987 until 1992 she was a professor at the University of Dar es Salaam Gunnar Garbo author and journalist and former member of the Norwegian Parliament was the Norwegian Ambassador to Tanzania from 1987 to 1992 Toward Resolving Disturbing Misconceptions in the Learning of Vowels in Southern Sotho (a Language of South Africa) Khathatso Evelyn Khabanyane,1989 Emerging Voices Human Sciences Research Council,Education Policy Consortium (South Africa),2005 This examination graphically illustrates the conditions that make dreams of a better life for all virtually unrealizable in rural areas of South Africa Through the voices of rural people themselves this study tells not only what the problems surrounding education are but also what can and should be done when the South African government launches its offensive against poverty in rural areas Rigorous and qualitative the text is an overview of the need of great numbers of people for the opportunities and capabilities that education can provide for their futures It also shows the existing situation of many impoverished populations worldwide and illustrates that poverty and inequality continue where such issues are not addressed **Trübner's American and Oriental Literary Record**,1884 A monthly register of the most important works published in North and South America in India China and the British colonies with occasional notes on German Dutch Danish French Italian Spanish Portuguese and Russian books *Trübner's American, European and Oriental literary record* ,1886 **Linguistics and Language Behavior Abstracts** ,2003

Trubner's American and Oriental Literary Record ,1884 **Oxford Dictionary of English** Angus Stevenson,2010-08-19 The Oxford Dictionary of English offers authoritative and in depth coverage of over 350 000 words phrases and meanings The foremost single volume authority on the English language **Drum** ,2000 **Resources in Education** ,1996 *Tone in Yongning Na* Alexis Michaud,2017-04-26 Yongning Na also known as Mosuo is a Sino Tibetan language spoken in Southwest China This book provides a description and analysis of its tone system progressing from lexical tones towards morphotonology Tonal changes permeate numerous aspects of the morphosyntax of Yongning Na they are not the product of a small set of phonological rules but of a host of rules that are restricted to specific morphosyntactic contexts Rich morphotonological systems have been reported in this area of Sino Tibetan but book length descriptions remain few This study of an endangered language contributes to a better understanding of the diversity of prosodic systems in East Asia The analysis is based on original fieldwork data made available online collected over the course of ten years commencing in 2006 **South African journal of African languages** ,1990 **Debates of the National Assembly** Transkei (South Africa). National Assembly,1981 African Language Literatures Albert S. Gérard,1981 *Webster's Third New International Dictionary of the English Language, Unabridged* Philip Babcock Gove,1971 **Debates of the ... Session of the ... Parliament of the House of Assembly** South Africa. Parliament. House of Assembly,1959

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web open the build an atom simulation a drag protons neutrons and electrons onto the atom template to make a neutral atom of lithium 6 and give the isotope symbol for this

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web write a symbol for each of the following neutral isotopes include the atomic number and mass number for each the alkali metal with 11 protons and a mass number of 23 the