

CURRICULUM VITAE

PERSONAL DATA

Name: Solomon Teferra Abate
Sex: Male
Date of Birth: August 4, 1974
Place of Birth: Debre Zeit, Region 4, Ethiopia
Nationality: Ethiopian
Marital Status: Married
Physical Condition: No physical defect
Language competence: Amharic, English, German and French
Position: Post-Doctoral Researcher
Affiliation: LIG/GETALP, UJF
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FORMAL EDUCATION

1989 Completed Secondary School at Nazareth Technical and Vocational School, Ethiopia
1989 – 1993 Undergraduate education at School of Information Studies for Africa (now faculty of Informatics), Addis Ababa University
1995 – 1997 Masters studies at School of Information Studies for Africa, Addis Ababa University
2001 – 2002 German language course at Goethe Institute, Bremen
2002 – 2005 PhD studies at faculty of Informatics, University of Hamburg

OTHER TRAINING

1. Training Programme for lecturers conducted at the School of Information Studies for Africa (SISA), Addis Ababa University from 19 September, 1995 to 17 January, 1996.
2. Training for African instructors teaching in library and information science schools at Gaborone, Botswana from 5-16 December, 1994.

WORK EXPERIENCE

1993 – 2001 Lecturer at School of Information Studies for Africa, Addis Ababa University

- I have advised students on their Senior Essays in the areas like Information Systems evaluation, Utilisation and application of Information Technology, Information needs assessment, Internet applications, Information seeking behaviour, Community-Based information services, Bibliometrics/Citation analysis.
- I have participated in the curriculum revision activities of the faculty
- I have worked as a systems consultant in the automation of Economic Commotion for Africa (ECA) General Secretaries Office Library, 1998.
- I have participated in different ICT related training activities as a consultant and resource person/trainer.

2001 – 2005 PhD research in automatic speech recognition at faculty of Informatics, University of Hamburg

2006 – 2007 Child care (as my wife works on her PhD studies)

2007 – 2010 Guest researcher at faculty of Informatics, University of Hamburg

- Conducting research in the area of automatic speech recognition
- Actively participating (in teaching and advising students) in the IT-PhD program at Addis Ababa University
- Organized (with the IT-PhD program) the International Workshop on Language Resource Development for Language Technology Research in Ethiopian Languages. Addis Ababa, Ethiopia. November 25 - 26, 2007.
<http://www.aau.edu.et/ITphd/site/proceedings/proceeding.php>

2010 – Post-Doctoral Researcher at LIG/GETALP, UJF, Grenoble, France.

COMPUTER KNOWLEDGE

Programming: Perl, C++, C

Operating Systems: Windows, Linux

Office Tools: MSOffice (Word, PowerPoint, Excel), OpenOffice

Development Tools: Hidden Markov Modeling Toolkit (HTK and Sphinx) for speech recognition, SRI Language Modeling Toolkit (SRILM)

RESEARCH INTEREST

- Automatic speech recognition
- Hybrid modeling in speech recognition
- Language modeling
- Statistical NLP

WORKSHOP, SEMINARS PARTICIPATED

1. SLTU 2010 - International Workshop on Spoken Languages Technologies for Under-resourced languages. Presented a paper.
2. Interspeech 2007 - Eurospeech. Presented a paper.
3. 45th Annual Meeting of the Association for Computational Linguistics (ACL2007). Presented a paper.
4. Interspeech 2005 - Eurospeech. Presented a paper.
5. Participated on EURON Summer School on Multimodal Human Robot Interaction at the faculty of Informatik, University of Hamburg from 08 to 12 September 2003.
6. 15th International Conference of Ethiopian Studies. Hamburg, July 21-25, 2003. Presented a paper.
7. Participated on Summer University "Speech Recognition" at Faculty of Electrical Engineering and Information Technology, Otto-Von-Guericke-University, Magdeburg from July 01, 2002 to August 30, 2002.

PUBLICATIONS AND MANUSCRIPTS

1. Hadrien Gelas, Solomon Teferra Abate, Laurent Besacier and Francois Pellegrino. 2010. Evaluation of Crowdsourcing Transcriptions for African Languages. Submitted to The 36th International Conference on Acoustics, Speech and Signal Processing to be held in Prague from May 22 to 27, 2011.
2. Solomon Teferra Abate, Laurent Besacier and Sopheap Seng. 2010. Boosting N-gram Coverage for Unsegmented Languages Using Multiple Text Segmentation Approach. WSSANLP - collocated with COLING 2010, Beijing, China
3. Martha Yifiru Tachbelie, Solomon Teferra Abate and Wolfgang Menzel. 2010. Morpheme-based Automatic Speech Recognition for a Morphologically Rich Language – Amharic. SLTU 2010. Penang, Malaysia.
4. Martha Yifiru Tachbelie, Solomon Teferra Abate, Wolfgang Menzel. 2009. Morpheme-Based Language Modelling for Amharic Speech Recognition. LTC'09.
5. Solomon Teferra Abate and Wolfgang Menzel. 2007a. Syllable-Based Speech Recognition for Amharic. ACL 2007 Workshop on Computational Approaches to Semitic Languages: Common Issues and Resources.
6. Solomon Teferra Abate and Wolfgang Menzel. 2007b. Automatic Speech Recognition for an Under-Resourced Language - Amharic. Speech and language technology for less-resourced languages: Special Session at INTERSPEECH 2007, Antwerp, Belgium
7. Solomon Teferra Abate, Martha Yifiru Tachbelie and Wolfgang Menzel. 2007. Amharic Speech Recognition: Past, Present and Future. 16th International Conference of Ethiopian Studies.
8. Solomon Teferra Abate. 2006. Automatic Speech Recognition for Amharic. Ph.D. Thesis. Available at: <http://www.sub.uni-hamburg.de/opus/volltexte/2006/2981/pdf/thesis.pdf>.
9. Solomon Teferra Abate, Wolfgang Menzel and Bairu Tafila. 2005. An Amharic Speech Corpus for Large Vocabulary Continuous Speech Recognition. Eurospeech Interspeech, 9th European Conference on Speech Communication and Technology. Lisbon, September 4-9, 2005.

10. Solomon Teferra Abate, Wolfgang Menzel and Bairu Tafila. 2003. An Amharic Speech Corpus for Large Vocabulary Continuous Speech Recognition. 15th International Conference of Ethiopian Studies. Hamburg July 21-25, 2003.
11. Solomon Teferra Abate. 1999. Consultancy in Library and Information staff Training: Paper presented on Workshop on Consultancy in Library and Information Service, Addis Ababa, June 18-19, 1999.
12. Solomon Teferra Abate. 1998. The Implication of Networking and Information Resource sharing for Academic Libraries in Ethiopia: Paper presented on Workshop on Information Resource Sharing and Networking Among Academic Institutions in Ethiopia Sept.10-15, 1998.
13. Solomon Teferra Abate. 1998. Information Literacy: The missing key component in the Ethiopian Educational system. Paper presented at the May Seminar of Bahir Dar Teachers Training College, 1998.
14. Solomon Teferra Abate. 1997. Assessment of PADIS Information Storage and Retrieval System: The case of PADdev Bibliographic database, 1997. (MSc. Thesis.)

REFERENCE

1. Prof. Dr. -Ing. Wolfgang Menzel,
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