

Maxine S. Eskenazi
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Professional Preparation

Carnegie-Mellon University	Modern Languages, Education	Bachelor of Arts 1973
University of Paris VII	Linguistics DEA (Diplome d'Etudes Approfondies - equiv. Masters)	1981
University of Paris XI	Computer Science	Doctorat de Troisieme Cycle 1984

Appointments

Principal Systems Scientist Carnegie Mellon University (2010-)
Language Technologies Institute Faculty Fellowship (2005-2007)
Vice President and Chief Technical Officer, Carnegie Speech Company (2001 - 2011) A CMU spinoff
Associate Teaching Professor, Carnegie Mellon University (2003 - 2009)
Systems Scientist, Carnegie-Mellon University (1996 -2003)
Visiting Research Scholar, Carnegie-Mellon University (1994-1996)
CNRS Tenured Researcher (1990 - 2012)
CNRS Junior Researcher (1986-1990)
Head of the Assessment and Variability theme in the Speech Group at LIMSI (1984 - 1994)

Publications and products

Eskenazi, M., Levow, G., Meng, H., Parent, G., Suendermann, D. 2013,, Crowdsourcing for Speech Processing, Wiley, May 2013.

Elliot Schumacher, Kevyn Collins-Thompson, Gwen Frishkoff and Maxine Eskenazi, 2016, Predicting the Relative Difficulty of Single Sentences With and Without Surrounding Context, to appear, EMNLP2016.

Lopes, J., Eskenazi, M., Trancoso, I., 2015, From rule-based to data-driven lexical entrainment models in spoken dialog systems, Computer Speech and Language, 31 (1), 87-112.

Saz, O., Lin, Y., Eskenazi, M., 2015, Measuring the impact of translation in on the accuracy and fluency of vocabulary acquisition of English, Computer Speech and Language, 31 (1), 49-64.

Black, A., Eskenazi, M., 2014, Real Users and Real Dialog Systems: the Hard Challenge for SDS, in Natural Interaction with Robots, Knowbots and Smartphones: Putting Spoken Dialog Systems into Practice, eds J Mariani, S Rosset, M Garnier-Rizet, L Devillers, Springer, p. 29-36.

Pellow, D., Eskenazi, M., 2014, Tracking Human Process Using Crowd Collaboration to Enrich Data, Proc HCOMP2014.

Sungjin Lee, Maxine Eskenazi, 2013, [Recipe For Building Robust Spoken Dialog State Trackers: Dialog State Tracking Challenge System Description](#), Proc SIGDIAL 13.

Eskenazi, M., Lin, Y., Saz, O., 2013, Tools for non-native readers: the case for translation and simplification, Proceedings of the Workshop on Natural Language Processing for Improving Textual Accessibility, NAACL2013, Atlanta, p.20-28

Sungjin Lee, Maxine Eskenazi, 2012, [Incremental sparse bayesian method for online dialog strategy learning](#), IEEE Journal of Selected Topics in Signal Processing 6 (8), 903-916.

Parent, G. and Eskenazi, M. 2010. Toward better crowdsourced transcription: transcription of a year of the Let's Go bus information system data, Proceedings SLT 2010, Berkeley.

Let's Go database - over 180,000 spoken dialogs with logfiles and partial transcription - publicly available

Parent, G. and Eskenazi, M. 2010. Clustering dictionary definitions using Amazon Mechanical Turk. In Proc. of the NAACL/HLT workshop on Creating Speech and Language Data With Amazon's Mechanical Turk.

Eskenazi, M., Black, A., Raux, A. and Langner, B., 2008, *Let's Go Lab: a platform for evaluation of spoken dialog systems with real world users*, Interspeech 2008, Brisbane, Australia.

Heilman, M., Collins-Thompson, K., Callan, J., Eskenazi, M., 2006, Classroom Success of an Intelligent Tutoring System for Lexical Practice and Reading Comprehension, Proc. Interspeech2006, Pittsburgh September 2006.

Dela Rosa, K., Eskenazi, M., 2011, Impact of Word Sense Disambiguation on Ordering Dictionary Definitions in Vocabulary Learning Tutors, Proceedings of the 24th International FLAIRS Conference (FLAIRS 2011).

Dela Rosa, K., Eskenazi, M., 2011, Effect of Word Complexity on L2 Vocabulary Learning, Proceedings of the 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies's 6th Workshop on Innovative Use of NLP for Building Educational Applications (ACL-HLT: BEA 2011). 2011.

Eskenazi, M., 2009, An overview of spoken language technology for education, Speech Communication, Elsevier, vol 51 issue 10 p. 832-844

Synergistic Activities

Diversity Director, Pittsburgh Science of Learning Center - developed summer intern program which enabled many minority students to experience research and eventually apply to graduate school

Developed the Let's Go research platform where researchers from around the world have run studies in spoken dialog research

Director of the Dialog Research Center - use of its products (database, software, research platform) has spawned over 250 non-CMU publications over four years

Eskenazi, M., 1993, Trends in speaking styles research, **Keynote speech**, Proc. ESCA Eurospeech, Berlin.

Creator and first Chair (and organizer of first workshop) SLaTE (Spoken Language Technologies for Education) special interest group