

# Lim Lian Tze, Ph.D.

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## Employment History

- 2014 – . . . .    📌 **Community T<sub>E</sub>Xpert.** Overleaf.com.
- 2013 – 2015    📌 **Lecturer.** Information Technology Department, School of Engineering, Science and Technology, KDU College Penang, Malaysia. (Part-time position Sep–Dec 2015.)

## Education

- 2009 – 2013    📌 **Ph.D., Multimedia University, Malaysia** in Natural Language Processing. Thesis title: *Low-Cost Multilingual Lexicon Construction for Under-Resourced Languages*. More details at <http://liantze.penguinattack.org/phd.html>
- 2003 – 2006    📌 **M.Sc. Computer Science, Universiti Sains Malaysia, Malaysia** in Automated Translation. Thesis title: *Using Conceptual Vectors to Improve Translation Selection*.
- 1998 – 2001    📌 **B.Sc. (Hons) Computer Science, University of Warwick, United Kingdom.** *First Class Honours.* Department Prize for Outstanding Performance.

## Research Publications

### Journal Articles

- 1    **Lim, L. T.,** Chiew, R. T., Tang, E. K., Rusli, A. G. & Naimah, Y. (2016). Digitising a machine-tractable version of Kamus Dewan with T<sub>E</sub>X-P<sub>5</sub>. *PeerJ Preprints*, 4, e2205v1. doi:10.7287/peerj.preprints.2205v1
- 2    Bond, F., **Lim, L. T.,** Tang, E. K. & Riza, H. (2014). The combined Wordnet Bahasa. *NUSA: Linguistic studies of languages in and around Indonesia*, 57, 83–100. 🌐 <http://hdl.handle.net/10108/79286>
- 3    **Lim, L. T.,** Soon, L.-K., Lim, T. Y., Tang, E. K. & Ranaivo-Malançon, B. (2014). Lexicon+TX: Rapid construction of a multilingual lexicon with under-resourced languages. *Language Resources and Evaluation*, 48(3), 479–492. doi:10.1007/s10579-013-9253-0
- 4    **Lim, L. T.,** Ranaivo-Malançon, B. & Tang, E. K. (2011a). Low cost construction of a multilingual lexicon from bilingual lists. *Polibits*, 43, 45–51.
- 5    **Lim, L. T.,** Ranaivo-Malançon, B. & Tang, E. K. (2011b). Symbiosis between a multilingual lexicon and translation example banks. *Procedia: Social and Behavioral Sciences*, 27, 61–69.

### Conference Proceedings

- 1    Boon, K. M. & **Lim, L. T.** (2014). An examination question paper preparation system with content-style separation and Bloom's taxonomy categorisation. In *Proceedings of the 3rd International Conference on E-Learning and E-Technologies in Education (ICEEE 2014)* (pp. 39–47). Kuala Lumpur, Malaysia. 🌐 <http://goo.gl/pfdUfm>

- 2 **Lim, L. T.**, Soon, L.-K., Lim, T. Y., Ranaivo-Malançon, B. & Tang, E. K. (2013). Context-dependent multilingual lexical lookup for under-resourced languages. In *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics* (pp. 294–299). Sofia, Bulgaria.
- 3 **Lim, L. T.**, Ranaivo-Malançon, B. & Tang, E. K. (2011c). Symbiosis between a multilingual lexicon and translation example banks. In *Proceedings of the 12th Conference of the Pacific Association for Computational Linguistics (PACLING 2011)*. Kuala Lumpur, Malaysia.
- 4 **Lim, L. T.** (2009). Multilingual lexicons for machine translation. In *Proceedings of the 11th International Conference on Information Integration and Web-based Applications & Services (iiWAS2009) Master and Doctoral Colloquium (MDC)* (pp. 732–736). Kuala Lumpur, Malaysia.
- 5 **Lim, L. T.** & Schwab, D. (2008). Limits of lexical semantic relatedness with ontology-based conceptual vectors. In *Proceedings of the 5th International Workshop on Natural Language Processing and Cognitive Science (NLPSC'08)* (pp. 153–158). Barcelona, Spain.
- 6 Schwab, D. & **Lim, L. T.** (2008). Blexisma2: A distributed agent framework for constructing a semantic lexical database based on conceptual vectors. In *Proceedings of the 1st International Conference on Distributed Frameworks & Applications 2008 (DFMA 2008)* (pp. 102–110). Penang, Malaysia.
- 7 **Lim, L. T.**, Tan, E. H. & Tang, E. K. (2007). Digitising dictionaries for advanced look-up and lexical knowledge research in Malay. In *Proceedings of the 11th International Conference on Translation*. Kuala Lumpur, Malaysia.
- 8 Schwab, D., **Lim, L. T.** & Lafourcade, M. (2007a). Conceptual vectors, a complementary tool to lexical networks. In *Proceedings of the 4th International Workshop on Natural Language Processing and Cognitive Science (NLPSC 2007)*. Funchal, Madeira, Portugal.
- 9 Schwab, D., **Lim, L. T.** & Lafourcade, M. (2007b). *Les Vecteurs Conceptuels, un Outil Complémentaire aux Réseaux Lexicaux*. In *Proceedings of Traitement Automatique des Langues Naturelle (TALN 2007)*. Toulouse, France.
- 10 **Lim, L. T.** (2006a). Improving translation selection with conceptual vectors. In *Proceedings of the Regional Computer Science Postgraduate Colloquium (ReCSPC'06)* (pp. 231–234). Penang, Malaysia.
- 11 **Lim, L. T.** & Hussein, N. (2006). Fast prototyping of a Malay WordNet system. In *Proceedings of the Language, Artificial Intelligence and Computer Science for Natural Language Processing (LAICS-NLP) Summer School Workshop* (pp. 13–16). Best Paper Award. Bangkok, Thailand.

## Books and Chapters

- 1 Belaton, B. & **Lim, L. T.** (Eds.). (2009). *Grid computing cluster: The development and integration of grid services and applications*. Penang, Malaysia: Platform for Information & Communication Technology Research, Universiti Sains Malaysia.
- 2 Tang, E. K., **Lim, L. T.**, Ye, H. H. & Schwab, D. (2009). Grid-enabled Blexisma2. In B. Belaton & **L. T. Lim** (Eds.), *Grid computing cluster: The development and integration of grid applications and services* (pp. 23–26). Penang, Malaysia: Platform for Information & Communication Technology Research, Universiti Sains Malaysia.

## Skills

- Languages ■ Strong reading, writing and speaking competencies for English, Mandarin Chinese, Bahasa Malaysia.
- Coding ■ Java, PHP, Python, R, SQL, XML/XSL, L<sup>A</sup>T<sub>E</sub>X, ASP.NET, Visual Basic.NET, C#.NET, LotusScript, Prolog.

## Skills (continued)

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Databases    **■** MySQL, PostgreSQL, HSQL, SQLite, LotusNotes.

Web Dev     **■** HTML, CSS, JavaScript, Apache Web Server, Tomcat Web Server.

Misc.        **■** Academic research, teaching, training, consultation, L<sup>A</sup>T<sub>E</sub>X typesetting and publishing.

## Miscellaneous Experience

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### Awards and Achievements

2002    **■** **Merit Award**, 25-day Standard Course SC450, Outward Bound School, Lumut, Malaysia.

2001    **■** **Department Prize for Outstanding Student Performance**, Department of Computer Science, University of Warwick, United Kingdom.

### Certification

2014    **■** **TRIZ Level I Practitioner**. Awarded by MyTRIZ Innovation Association, Malaysia.

2006    **■** **Certified IT Professional for FITPE** (Fundamental IT Professional Examination). Awarded by Ministry of Higher Education Malaysia.

## References

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