Likan Zhan

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Academic appointment

- 2014.10 ~ Now, Assistant professor,
  MEG Laboratory for Brain Sciences,
  Institute for Speech Pathology and the Brain Science,
  Beijing Language and Culture University, Beijing, China

Education

- 2010.10 ~ 2014.09, Ph.D. Cognitive Science,
  Macquarie University, Sydney, Australia

- 2007.09 ~ 2010.07, M.E. Cognitive Psychology,
  Beijing Language and Culture University, Beijing, China

- 2000.09 ~ 2004.07, B.A. Teaching Chinese as a Second Language,
  Beijing Language and Culture University, Beijing, China

Teaching responsibilities

- Statistics for the Behavioral Sciences, More information
- R for Modeling and Visualizing Data, More information
- Introduction to Cognitive Neuroscience, More information
- Foundations of Scientific Research, More information

Professional skills

- Statistics. I taught two statistical courses to master students. I have moderate experience in using *R* for statistical modeling and data visualization. Besides the basic ones, I used the following R packages a lot: *data.table*, *dplyr*, *ggplot2*, *car*, *lme4*, *gam* etc. I also created a R package myself, called *acqr*.

- Experimental techniques. I'm familiar with E-prime, Psychopy, Psychtoolbox, and Presentation for presenting test stimuli. I have advanced experience in using Eyelink II/1000 plus (SR Research Ltd.), such as *Experiment Builder* for experiment building, and *Data Viewer* for data analysis. I am in charge of establishing the first Child MEG lab in China, familiar with *Yokogawa* MEG system for equipment maintenance and MEG data acquisition. I'm also familiar with *BESA*, and some Matlab packages for analyzing the E/MEG data, such as *fieldtrip* and *SPM12*.

- Typesetting. I like to write with LaTeX, Markdown, and R Markdown. I created a personal website with *hugo* and *blogdown*.

Publications

1. Periodicals

- **Zhan, L.** (2018). Scalar and ignorance inferences are both computed immediately upon encountering the sentential connective: The online processing of sentences with disjunction using the visual world paradigm. *Frontiers in Psychology, 9.* doi: 10.3389/fpsyg.2018.00061 fulltext

- Moscati, V., **Zhan, L.**, & Zhou, P. (2017). Children's on-line processing of epistemic modals. *Journal of Child Language, 44*(5), 1025-1040. doi: 10.1017/S0305000916000313 fulltext

- **Zhan, L.**, Crain, S., & Zhou, P. (2015). The online processing of only if- and even if- conditional statements: Implications for mental models. *Journal of Cognitive Psychology, 26*(7), 367-379. doi: 10.1080/ 20445911.2015.1016527 fulltext

- Zhou, P., Crain, S., & **Zhan, L.** (2014). Grammatical aspect and event recognition in children's online sentence comprehension. *Cognition, 133*(1), 262-276. doi: 10.1016/j.cognition.2014.06.018 fulltext

- Zhou, P., Crain, S., & **Zhan, L.** (2012). Sometimes children are as good as adults: The pragmatic use of prosody in children's on-line sentence processing. *Journal of Memory and Language, 67*(1), 149-164. doi: 10.1016/j.jml.2012.03.005 fulltext

- Zhou, P., Su, Y., Crain, S., Gao, L., & **Zhan, L.** (2012). Children's use of phonological information in ambiguity resolution: a view from Mandarin Chinese. *Journal of Child Language, 39*(04), 687-730. doi: 10.1017/S0305000911000249 fulltext

2. Presentations

- **Zhan, L.** (2017, September). *Scalar implicature and ignorance inference are both locally computed: Evidence from the online processing of disjunctions using the visual world paradigm.* Paper presented at the Second High-level Forum on Cognitive Linguistics, University of International Business and Economics, Beijing, China

- Moscati, V., **Zhan, L.**, & Zhou, P. (2013). Reasoning on possibilities: An eye tracking study on modal knowledge. In *the 38th Annual Boston University Conference on Language Development.* Boston, USA.

- **Zhan, L.**, Crain, S., & Zhou, P. (2013). Going beyond the information that is perceived: The hypothetical property of if-conditionals in Mandarin Chinese. In the *Second International Conference on Psycholinguistics in China.* Fuzhou, China.

- **Zhan, L.**, Crain, S., & Zhou, P. (2013). The hypothetical property of "if"-statements: A visual-world paradigm eye-tracking study. In *CUNY2013: The 26th annual CUNY Sentence Processing Conference.* Columbia, SC.

- **Zhan, L.**, Crain, S., & Zhou, P. (2013). The interpretation of conditionals. In *the 7th International Conference on Thinking (ICT2012).* Birkbeck/UCL, London, UK.

- Zhou, P., Crain, S., & **Zhan, L.** (2013). Anticipatory eye movements in children's processing of grammatical aspect. In *the 38th Annual Boston University Conference on Language Development.* Boston University, United States.

- Zhou, P., Crain, S., & **Zhan, L.** (2012). Children's pragmatic use of prosody in sentence processing. In *the 35th Generative Linguistics in the Old World (GLOW) Workshop: Production and Perception of Prosodically-Encoded Information Structure.* University of Potsdam, Potsdam, Germany.

- **Zhan, L.**, Crain, S., & Khlentzos, D. (2011). The basic semantics of conditionals in natural language. In *The Harvard-Australia Workshop on: Language, Learning and Logic.* Macquarie University, Sydney, Australia.

- Zhou, P., Crain, S., Gao, L., & **Zhan, L.** (2010). The role of prosody in children's focus identi cation. In *the Generative Approaches to Language Acquisition - North America 4 (GALANA- 4).* Toronto, Canada.

- Zhou, P., Su, Y., Crain, S., Gao, L., & **Zhan, L.** (2010). Children's use of prosodic information in ambiguity resolution. In *the 8th Conference of Generative Linguistics in the Old World Asia (GLOW-in-Asia 8).* Beijing, China.