

CURRICULUM VITAE

Chin-Lung Yang

Learning Research and Development Center
University of Pittsburgh
3939 O'Hara Street
Pittsburgh, PA 15260

Office: (412) 624-7055
Fax: (412) 624-9149
Home: (412) 681-6549
Email: cyang@pitt.edu

RESEARCH INTERESTS

- Cognitive/neurocognitive basis of reading and language
- Higher-order language processing (coreferential resolution, text integration, etc.)
- Bilingual language processing (sentence processing, on-line tutoring, etc.)
- Second language learning (metalinguistic awareness, biliteracy development, etc.)

EDUCATION

- 2000 University of North Carolina at Chapel Hill
Ph.D. in Psychology with Linguistics Minor
Dissertation: *The Processes and Representations of Pronominal Coreference in Discourse Integration — A Case Study of Chinese*
M. A. in Psychology
Thesis: *Comprehension of Chinese Anaphora*
- 1991 National Taiwan University, Taipei, Taiwan
B. S. in Psychology

ACADEMIC EMPLOYMENT

- 2002-present **Research Associate**, Learning Research and Development Center, University of Pittsburgh, Pittsburgh, PA
- 2002-present **Research Consultant**, Department of Modern Languages, Carnegie Mellon University, Pittsburgh, PA
- 2000-2002 **Postdoctoral Research Fellow**, Brain and Language Laboratory, Department of Psychology, Rice University, Houston, TX

GRANT SUPPORT

- 2003 Fellowship for Post-doctoral Research Grants---Awarded by Chiang Ching-Kuo Foundation for International Scholarly Exchange (USA), McLean, VA
Research Project: *The Cognitive Mechanisms of Linguistic Complexity in Comprehending Chinese Sentences -- An Interdisciplinary Study*

GRANT PROPOSALS IN PREPARATION

- “The Cognitive/Neurocognitive Bases of the Processing of Linguistic Complexity in English for Second Language Learners”
This proposal examines the processing of complex sentences (relative clauses sentences) for L2 English learners with different L1 background (Chinese, Japanese, and Korean) by using behavioral and electrophysiological (event-related potentials, EPRs) paradigms.
- “Comprehending Chinese Sentences as a Function of Linguistic Complexity and Proficiency of Second Language Learner – An Interdisciplinary Study”
This proposal uses behavioral and ERPs paradigms to examine the comprehension of Chinese sentence with different structural complexity for L2 Chinese learners of differential proficiency with different L1 background (English, Japanese, and Korean).
- “Learning to Read Chinese Sentences with On-line Tutor”
This proposal outlines construction and validation of a set of *in vivo* instructional modules designed to improve fluency and mastery of Chinese sentences within the context of the CMU online course

HONORS, AWARDS, FELLOWSHIPS

- 2000 Paper (Yang, et al., 2000a) selected as one of the top 10 (out of 202) at the 13th Annual CUNY Conference on Human Sentence Processing, La Jolla, CA. Published in a Special Issue on Sentence Processing of the Journal of Psycholinguistic Research (Vol. 30, #1)
- 2000 Dissertation Fellowship for R.O.C. Students Abroad---Chiang Ching-Kuo Foundation for International Scholarly Exchange (USA), McLean, VA
- 1999 China Times Young Scholar Award---China Times Cultural Foundation, Flushing, NY
- 1998 Graduate Student Award---The L. L. Thurstone Psychometric Laboratory, Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1998 Graduate Teaching Assistant Grant to Support Technology in Teaching and Learning --- Graduate School, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1998 Smith Graduate Research Fund Grant---Graduate School, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1998 Harriet L. Rheingold Award---Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1998 Travel Award for the 11th Annual CUNY Conference on Human Sentence Processing, New Brunswick, NJ---Graduate School, University of North Carolina at Chapel Hill, Chapel Hill, NC

PUBLICATIONS

- Yang, C. –L., Perfetti, C. A., & Schmalhofer, F.** (in press). ERP Evidence for Less Skilled Readers’ Inefficient Lexical Processes in Text Integration. The special Issues in *Reading and Writing*.
- Yang, C. –L., & Perfetti, C. A.** (in press). Contextual Constraints on the Comprehension of Relative Clause Sentences in Chinese: ERPs Evidence. The special issue of *Language and Linguistics on Brain and Language*.

- Wang, M., & **Yang, C. –L.** (in press). Learning to read Chinese. In K. Koda & A. M. Zehler (Eds.), *Learning to read across languages*. Mahwah, NJ: Lawrence Erlbaum Associates.
- Yang, C. –L.**, Gordon, P. C., & Hendrick, R. (in press). The comprehension of coreference in Chinese discourse. In E. Bates, L.-H. Tan, & O. J.–L. Tzeng (Eds.), *Handbook of East Asian Psycholinguistics, Vol. I: Chinese Psycholinguistics*. Cambridge University Press: New York.
- Yang, C. –L.**, Gordon, P. C., Hendrick, R., & Hue, C. W. (2003). Constraining the comprehension of pronominal expressions in Chinese. *Cognition*, 86, 283-315.
- Yang, C. –L.** (2001). Discourse prominence and referent accessibility: The cognitive processes of discourse integration. *Proceedings of the 13th North American Conference on Chinese Linguistics (NACCL13)*, Los Angeles, CA: Department of Linguistics at the University of Southern California.
- Yang, C. –L.**, Gordon, P. C., Hendrick, R., Wu, J. T., & Chou, T. L. (2001). The processing of coreference for reduced expressions in discourse integration. *Journal of Psycholinguistic Research*, 30, 21-35.
- Bayen, U. J., Nakamura, G.V., Dupuis, S. E., & **Yang, C. –L.** (2000). The use of schematic knowledge about sources in source monitoring. *Memory and Cognition*, 28, 480-500.
- Yang, C. –L.**, Gordon, P. C., Hendrick, R., & Wu, J. T. (1999). Comprehension of referring expressions in Chinese. *Language and Cognitive Processes*, 14, 715-743. Reprinted in H.-C. Chen & X. Zhou (Eds.), *Processing East Asian Languages*, pp. 715-743, East Sussex, UK: Psychology Press Ltd.
- Gordon, P. C., Hendrick, R., Ledoux, K., & **Yang, C. –L.** (1999). Processing of reference and the structure of language: An analysis of complex noun phrases. *Language and Cognitive Processes*, 14, 353-379.
- Hue, C. W., Peng, C. Y. J., Shen, Y.C., & **Young, C. –L.** (1989). Numerical translation of 29 Chinese probability terms. *Chinese Journal of Psychology*, 31, 1-6.

MANUSCRIPTS UNDER REVIEW

- Yang, C. –L.**, Perfetti, C. A., & Schmalhofer, F. (under review). ERP Indicators of Text Integration across Sentence Boundaries. *JEP: LMC*.
- Yang, C. –L.**, Perfetti, C. A., & Liu, Y. (under review). Brain Activity in Sentence Integration: An ERP Study of Chinese Sentences with Relative Clauses. *Human Brain Mapping*.
- Martin, R. C., Knight, M., Tamborello, F., & **Yang, C. –L.** (under review). Noun Phrase Complexity vs. Word Retrieval Fluency in Sentence Production.

TECHNICAL REPORTS

- Wang, M., **Yang, C–L.**, Fujiwara, H., Zhao, R. Koda, K. & Zehler, A. M. (2003). Language analysis and literature review: Chinese. In Zehler, A. M., Koda, K., Saloni, S. (Eds.) **Transfer of Literacy Skills from Languages with Non-Roman Script Backgrounds to English** (pp. 51-75). Final report submitted to US Department of Education, Office of English Language Acquisition, language Enhancement and Academic Achievement for LEP students (ED-01-CO-0042/0002)
- Koda, K., Fender, M., & **Yang, C. –L.** (2003). The development of a proposed study on transfer. In Zehler, A.M., Koda, K., Saloni, S. (Eds.) **Transfer of Literacy Skills from**

Languages with Non-Roman Script Backgrounds to English (pp. 143-169). Final report submitted to US Department of Education, Office of English Language Acquisition, language Enhancement and Academic Achievement for LEP students (ED-01-CO-0042/0002)

Wu, J. T., & **Yang, C. -L.** (1991). A Preliminary study of word segmentation process in Chinese sentence reading. Unpublished Technical Report, Report No. 79002-125, National Science Council, Taipei, Taiwan.

MANUSCRIPTS IN PREPARATION

Yang, C. -L., Perfetti, C. A., & Schmalhofer, F. (in preparation). Reading Skill Modulates the Processing of Word-Identification and Word-to-Referent Mapping during Text Integration

Yang, C. -L., & Perfetti, C. A. (in preparation). The Electrophysiological Activities of Coreference during the Processing of Text Comprehension.

Yang, C. -L., & Perfetti, C. A. (in preparation). The Stability of Lexical Representation during Vocabulary Learning.

Yang, C. -L., Gordon, P. C., Hendrick, R., & Wu, J. T. (in preparation). The Effect of Linguistic Complexity in Language Processing: Evidence from the Processing of Relative Clauses in Chinese.

Yang, C. -L., Hue, C. W., & Chen, M. J. (in preparation). The Processing of Feature Matching during the Comprehension of Coreference.

Koda, K., **Yang, C. -L.**, Zhang, Y.-H. (in preparation). Literacy development in a heritage language.

Koda, K., **Yang, C. -L.**, Zhang, Y.-H. (in preparation). Metalinguistic contributions to word-knowledge development.

Martin, R. C., Hamilton, A. C., Potts, G. F., & **Yang, C.-L.** (in preparation). The Semantic Integration in Sentence Comprehension: An ERP study of verbal working memory in language comprehension.

CONFERENCE PRESENTATIONS

Yang, C.-L., Perfetti, C. A. (2006, June). The Development and Stability of Lexical Representation during Vocabulary Acquisition. Paper submitted to the Thirteen Annual Meeting of the Society for the Scientific Study of Reading, Vancouver, Canada.

Yang, C.-L., Perfetti, C. A., & Schmalhoffer, F. (2006, April). ERP Indicators of Text Integration for Different Skilled Readers. Poster to be presented at the Thirteen Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA

Yang, C.-L., Perfetti, C. A. (2005, April). *The Neurocognitive Basis for Coreferential Processes during Text Integration*. Poster presented at the 12th Annual Meeting of the Cognitive Neuroscience Society, New York, NY

Martin, R. C., Hamilton, A. C., Potts, G. F., & **Yang, C.-L.** (2005, April). *Maintenance and Integration of Semantic Representations during Sentence Comprehension: Electrophysiological Evidence*. Poster presented at the 12th Annual Meeting of the Cognitive Neuroscience Society, New York, NY

- Perfetti, C. A., **Yang, C.-Y.**, & Schmalhofer, F. (2004, November). First words: Text integration processes exposed through ERPs. Poster presented at the 45th Annual Meeting of the Psychonomic Society, Minneapolis, Minnesota.
- Yang, C.-L.**, & Perfetti, C. A. (2004, June). *The Neurocognitive Bases of Text Integration*. Paper accepted at the 11th Annual Meeting of the Society for the Scientific Study of Reading, Amsterdam, The Netherlands.
- Yang, C.-L.**, & Perfetti, C. A. (2004, April). *The Neurocognitive Bases of the Interaction between Working Memory, Semantics and Syntax during Sentence Comprehension in a Logographic Language --- An EEG Study of Chinese*. Poster presented at the 11th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA
- Schmalhofer, F., Perfetti, C. A., Balass, M., Nelson, J., **Yang, C.-L.**, & Wlotko, E. (2004, April). *Ereigniskorrelierte Potentiale von Inferenzprozessen beim Textverstehen (Event related potentials of inference processes in text comprehension)*. Presented at the German Psychonomics Meeting (TEAP), Giessen, Germany.
- Yang, C. -L.**, Gordon, P. C., & Perfetti, C. A. (2004, March). *The Allocation of Memory Resources during the Incremental and Computational Processing of Complex Sentence ---- A Case Study of Chinese Relative Clause Sentences*. Poster presented at the 17th Annual CUNY Conference on Human Sentence Processing, College Park, MD
- Yang, C.-L.**, Perfetti, C. A., & Gordon, P. C. (2003, November). *The Cross-linguistic Cognitive Bases in the Processing of Complex Sentences*. Poster presented at the 44th Annual Meeting of the Psychonomic Society, Vancouver, Canada.
- Yang, C. -L.**, & Gordon, P. C. (2003, August). *The Computational Cost of Syntactic and Semantic Integration for Processing Sentences with Relative Clauses --- A Case Study of Chinese*. Poster accepted at the 9th Annual Conference on Architecture and Mechanisms for Language Processing (AMLAP-2003), Glasgow, Scotland.
- Perfetti, C. A., Schmalhofer, F., Balass, M., Nelson, J., **Yang, C.-Y.**, & Wlotko, E. (2003, July). ERPs expose integrative processes in text comprehension. Paper presented at the Higher Level Language Processes in the Brain: Inference and Comprehension Processes Conference, Nansue Advanced Study Institute, Delmenhorst, Germany.
- Yang, C. -L.**, Wu, J. T., & Gordon, P. C. (2002, December). *The Computational Cost and Semantic Integration for Sentence Processing in Chinese*. Paper presented at the 10th International Conference on Cognitive Processing of Chinese and Other Related Asian Languages (ICCPORAL2002), Taipei, Taiwan.
- Yang, C. -L.**, Gordon, P. C., & Wu, J. T. (2002, August). *The Cognitive Processes of Sentences with Relative Clauses in Chinese*. Paper presented at the 11th Annual Conference of the International Association of Chinese Linguistics (IACL-11), Nagoya, Japan.
- Yang, C.-L.**, Martin, R. C., & Potts, G. F. (2002, April). *The Time-course of Semantic Integration in Verbal Working Memory and Sentence Comprehension*. Poster presented at the 9th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA
- Martin, R. C., **Yang, C.-L.** (2001, November). *Noun Phrase Complexity vs. Word Retrieval Fluency in Sentence Production*. Poster presented at the 42nd Annual Meeting of the Psychonomic Society, Orlando, FL
- Yang, C. -L.**, Gordon, P. C., Hendrick, R. (2001, July). *The Comprehension of Coreference in Chinese Discourse*. Paper presented at the LSA (Linguistic Society of America) Summer Linguistic Institute 2001 Workshop: "New Frontiers in Psycholinguistic Studies of Chinese", Santa Barbara, CA

- Yang, C. -L.**, Gordon, P. C., Hendrick, R., & Hue, C. W. (2001, June). *Constraining the Resolution of Pronominal Expressions in Chinese Discourse*. Paper presented at the 10th Annual Conference of the International Association of Chinese Linguistics, in conjunction with the 13th North American Conference on Chinese Linguistics, Irvine, CA
- Yang, C. -L.** & Gordon, P. C., Hendrick, R., & Yen, N. S. (2001, June). *Discourse Prominence and Referent Accessibility*. Paper presented at the 2001 North American Taiwan Studies Association Annual Conference, Seattle, WA
- Yang, C. -L.**, Gordon, P. C., Hendrick, R., & Wu, J. T. (2001, March). *Cross-linguistic Evidence on the Processing of Sentences with Relative Clauses*. Poster presented at the 14th Annual CUNY Conference on Human Sentence Processing, Philadelphia, PA
- Yang, C. -L.**, Gordon, P. C., Hendrick, R., & Hue, C. W. (2000a, March). *The Processing of Coreference for Reduced Expressions in Discourse Integration --- A Case Study of Chinese*. Paper presented at the 13th Annual CUNY Conference on Human Sentence Processing, La Jolla, CA
- Yang, C. -L.**, Gordon, P. C., & Hendrick, R. (2000b, February). *The Representation and Processing of Coreference in Discourse*. Paper presented at the North Carolina Cognition Group's Annual Meeting, Wake Forrester University, NC
- Bayen, U. J., Spaniol, J., Nakamura, G. V., **Yang, C. -L.**, & Dupuis, S. E. (1999, November). *Schematic Knowledge about Sources Is Used in Source Monitoring*. Poster presented in the 40th Annual Meeting of the Psychonomic Society, Los Angeles, CA
- Yang, C. -L.**, Gordon, P. C., Hendrick, R., & Wu, J. T. (1999, February). *Comprehension of Pronominal References in Discourse Integration: A Case Study of Chinese*. Paper presented at the North Carolina Cognition Group's Annual Meeting, North Carolina State University, NC
- Yang, C. -L.**, Newman, J., Burt, M., Carroll, R., & Bayen, U. J. (1999, February). *Age Differences in Encoding and Retrieval of Item Clusters in Free Recall*. Poster presented at the North Carolina Cognition Group's Annual Meeting, North Carolina State University, NC
- Enneking, A., Bayen, U. J., & **Yang, C. -L.** (1999, June). *Markov Model Reveals Effect of Aging into Long-term Memory*. Poster presented at the American Psychological Society 11th Annual Convention, Denver, CO
- Spaniol, J., Dupuis, S., **Yang, C. -L.**, Enneking, A., & Bayen, U. J. (1999, February). *Aging and Schema-guided Guessing in Source Monitoring*. Poster presented at the North Carolina Cognition Group's Annual Meeting, North Carolina State University, NC
- Bayen, U. J., Nakamura, G. V., **Yang, C. -L.**, & Shellhammer, D. (1998, April). *Aging and the Role of Schematic Knowledge in Source-Memory Tasks*. Poster presented at the 7th Cognitive Aging Conference, Atlanta, GA
- Yang, C. -L.**, Gordon, P. C., & Hendrick, R. (1998, March). *Comprehension of Coreference in Chinese Discourse*. Poster presented at the 11th Annual CUNY Conference on Human Sentence Processing, New Brunswick, NJ
- Yang, C. -L.**, Gordon, P. C., & Hendrick, R. (1998, March). *Comprehension of Chinese Anaphora*. Poster presented at the North Carolina Cognition Group's Annual Meeting, Duke University, NC
- Bayen, U. J., **Yang, C. -L.**, Snider, E., Carroll, R., Shellhammer, D., Thornburg, B. W., & Nakamura, G. (1998, March). *Aging and the Use of Schemas in Source-Memory Tasks*

Poster presented at the North Carolina Cognition Group's Annual Meeting, Duke University, NC

Bayen, U. J., **Yang, C.-L.**, Zukerman, J., Burt, M., & Dupuis, S. (1998, March). *The Role of Prior Knowledge in Source Monitoring*. Poster presented at the North Carolina Cognition Group's Annual Meeting, Duke University, NC

Yang, C.-L., & Gordon, P. C., & Hendrick, R. (1997, February). *Comprehension of Chinese Coreference*. Poster presented at the North Carolina Cognition Group's Annual Meeting, Chapel Hill, NC

TEACHING EXPERIENCES

- **GUEST LECTURER**, *Research Methods*
Course Topic: Methodologies used in language study, Faculty Teaching Mentor: Erik Reichle, Ph.D., Department of Psychology, University of Pittsburgh, Pittsburgh, PA
- **GUEST LECTURER**, *Research Methods*
Course Topic: Methodologies used in language study, Primary Teaching Mentor: Anita Barber, GSR, Department of Psychology, University of Pittsburgh, Pittsburgh, PA
- **GUEST LECTURER**, *Cognitive Psychology*
Course Topic: Higher-level language comprehension, Faculty Teaching Mentor: Erik Reichle, Ph.D., Department of Psychology, University of Pittsburgh, Pittsburgh, PA
- **GUEST LECTURER**, *Cognitive Psychology*
Course Topic: Language comprehension, Faculty Teaching Mentor: Tony Ro, Ph.D., Department of Psychology, Rice University, Houston, TX
- **INSTRUCTIONAL ASSISTANT**, *General Psychology*
Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- **TEACHING ASSISTANT**, *General Psychology*
Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- **TEACHING FELLOW**, *Cognitive Psychology*
Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC

TEACHING INTERESTS

- General Psychology
- Cognitive Psychology
- Statistics (undergraduate)
- Laboratory Research in Experimental Psycholinguistics
- Psycholinguistics
- Psychology of Reading
- Language Studies under Cultural Context

PROFESSIONAL AFFILIATIONS

- Society for the Scientific Study of Reading (SSSR)
- Cognitive Neuroscience Society (CNS)
- International Association of Chinese Linguistics (IACL)
- Psychonomic Society, Associate Member

- American Psychological Association (APA)

PROFESSIONAL SERVICES

- **Ad hoc reviewer** for the following journals: *Journal of Psycholinguistic Research*, *Language and Cognitive Processes*, *Cognition*, *Neuropsychologia*, *Bilingualism: Language and Cognition*, and *Language Learning*

COMMUNITY & CAMPUS SERVICES

- **General Board Member** in the Alumni Association of National Taiwan University (2003-present), Pittsburgh, PA
- **Student Representative** in the Committee of Computer Resources Management (1997), Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- **Student Representative** in Faculty Search Committee of Cognitive Program (1996), Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- **President** of the Taiwanese Student Association (1995), University of North Carolina at Chapel Hill, Chapel Hill, NC

REFERENCES

Charles A. Perfetti, Professor
Language Research and Development Center
University of Pittsburgh
Pittsburgh, PA 15260
Phone: (412) 624-7071
Email: Perfetti@pitt.edu

Randall Hendrick, Professor
Department of Linguistics, CB# 3155
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-3155
Phone: (919) 962-1192
Email: hendrick@email.unc.edu

Ping Li, Associate Professor
Department of Psychology
160
University of Richmond
Richmond, VA 23173
Phone: (804) 289-8125
Email: pli@richmond.edu

Erik Reichle, Assistant Professor
Department of Psychology
635 LRDC, University of Pittsburgh
Pittsburgh, PA 15260
Phone: (412) 624-745
Email: reichle@pitt.edu

Peter C. Gordon, Professor
Department of Psychology, CB# 3270
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-3270
Phone: (919) 962-2440
Email: pcg@email.unc.edu

Geoffrey F. Potts, Assistant Professor
Department of Psychology, MS-25
Rice University
Houston, TX 77005
Phone: (713) 348-3890
Email: gpotts@rice.edu

Keiko Koda, Professor
Department of Modern Languages, Baker Hall

Carnegie Mellon University Baker Hall 160
Pittsburgh, PA 15213
Phone: (412) 268-8942
Email: kkoda@andrew.cmu.edu