

## Xiaofei Lu

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### Research Interests

- Corpus linguistics and computer-assisted language learning
- Second language writing and second language acquisition
- Corpus- and genre-based approaches to EAP/ESP writing research, pedagogy and assessment

### Education

- *Ph.D., Linguistics*, The Ohio State University, Columbus, Ohio, USA, 2001-2006  
Dissertation: *Hybrid Models for Chinese Unknown Word Resolution*  
Committee: Detmar Meurers (advisor), Chris Brew and Marjorie Chan
- *M.A. (by research), English Language*, National University of Singapore, Singapore, 1999-2001  
Thesis: *The Taiwan Issue in the Media: A Corpus-Based Comparative Study of Chinese and American Media Discourse* (degree awarded in 2002)
- *M.A. student, English Linguistics*, Nankai University, Tianjin, China, 1997-1999
- *B.A., English*, Nankai University, Tianjin, China, 1993-1997  
Thesis: *A Thematic Study of Thomas Hardy's Four Major Novels*

### Academic/Research Appointments

- Department of Applied Linguistics, The Pennsylvania State University, University Park, PA, USA  
*Professor of Applied Linguistics and Asian Studies*, 2019-present  
*Interim Head*, 2021-2022  
*Director of Graduate Studies*, 2014-2020  
*Interim Director of Graduate Studies*, Fall 2013  
*Associate Professor of Applied Linguistics and Asian Studies*, 2012-2019  
*Gil Watz Early Career Professor in Language and Linguistics*, 2012-2016  
*Assistant Professor of Applied Linguistics*, 2006-2012
- *Graduate Research Intern*, Natural Language Theory and Technology Group, Palo Alto Research Center (PARC), Palo Alto, CA, USA, Summer 2005
- *Presidential Fellow* (2006), *Graduate Teaching Associate* (2002-2005), and *University Fellow* (2001-2002), Department of Linguistics, The Ohio State University, Columbus, OH, USA
- *Research Scholar*, Department of English Language and Literature, National University of Singapore, Singapore, 1999-2001

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## Publications

### *Books and edited volumes*

1. Lu, X. (2023). *Corpus linguistics and second language acquisition: Perspectives, issues, and findings*. New York: Routledge.
2. Jin, T., Lu, X., Shi, Z., & Su, Y. (2021). *Evidence use in oral argumentation: Features and development*. Beijing: Science Press. [in Chinese]
3. Lu, X., & Chen, B. (Eds.) (2019). *Computational and corpus approaches to Chinese language learning*. Singapore: Springer.
4. Lu, X. (Ed.) (2019). Special section on research on EAP pedagogy. *Foreign Language World*, (5). [in Chinese]
5. Chen, H.-H., Tseng, Y.-H., Ng, V., & Lu, X. (Eds.) (2016). *Proceedings of the 3rd Workshop on Natural Language Processing Techniques for Educational Applications*. Osaka, Japan: The COLING 2016 Organizing Committee.
6. Lu, X. (2014). *Computational methods for corpus annotation and analysis*. Dordrecht: Springer.
7. Feldman, A., & Lu, X. (Eds.) (2007). *Proceedings of the NAACL HLT 2007 Workshop on Computational Approaches to Figurative Language*. Rochester, NY: Association for Computational Linguistics.

### *Refereed journal articles*

1. Yin, S., Gao, Y., & Lu, X. (forthcoming). Diachronic changes in the syntactic complexity of emerging Chinese international publication writers' research article introductions: A rhetorical strategic perspective. *Journal of English for Academic Purposes*.
2. Lu, X., & Hu, R. (2022). Sense-aware lexical sophistication indices and their relationship to second language writing quality. *Behavior Research Methods*, 54(3), 1444-1460.
3. Lu, X., & Wu, J. (2022). Noun phrase complexity measures in Chinese and their relationship to L2 Chinese writing quality: A comparison with topic-comment-unit-based measures. *The Modern Language Journal*, 106(1), 267-283.
4. Casal, J. E., Shirai, Y., & Lu, X. (2022). English verb-argument construction profiles in a specialized academic corpus: Variation by genre and discipline. *English for Specific Purposes*, 66, 94-107.
5. Hu, R., Wu, J., & Lu, X. (2022) Word-combination-based measures of phraseological diversity, sophistication and complexity and their relationship to L2 Chinese proficiency and writing quality. *Language Learning*, 72(4), 1128-1169.
6. Liao, J., Lu, X., Master, K., Dudek, J., & Zhou, Z. (2022). Telepresence-place-based foreign language learning and its design principles. *Computer Assisted Language Learning*, 35(3), 319-344.

7. Su, H., & Lu, X. (2022). Assessing pragmatic performance in advanced L2 academic writing through the lens of local grammars: A case study of 'exemplification'. *Assessing Writing*, 54, 100668.
8. Sun, K., & Lu, X. (2022). Predicting native Chinese readers' perception of sentence boundaries in written Chinese texts. *Reading and Writing*, 35, 1889-1910.
9. Wu, J., Hu, R. & Lu, X. (2022). Effects of production modalities on syntactic complexity in intermediate level CSL learners. *Chinese Teaching in the World*, (3), 399-415. [in Chinese]
10. Zhang, X., & Lu, X. (2022). Revisiting the predictive power of traditional vs. fine-grained syntactic complexity indices for L2 writing quality: The case of two genres. *Assessing Writing*, 51, 100597.
11. Zhang, X., Lu, X., & Li, W. (2022). Beyond differences: Assessing effects of shared linguistic features on L2 writing quality of two genres. *Applied Linguistics*, 43(1), 168-195.
12. Lu, X., Casal, J. E., & Liu, Y. (2021). Towards the synergy of genre- and corpus-based approaches to academic writing research and pedagogy. *International Journal of Computer Assisted Language Learning and Teaching*, 11(1), 59-71.
13. Lu, X., Casal, J. E., Liu, Y., Kisselev, O., & Yoon, J. (2021). The relationship between syntactic complexity and rhetorical move-steps in research article introductions: Variation among four social science and engineering disciplines. *Journal of English for Academic Purposes*, 52, 101006.
14. Lu, X., Liao, J., & Xu, Q. (2021). Applications of educational robots in foreign language speaking instruction: Recent developments and future directions. *Foreign Language World*, (1), 11-19. [in Chinese]
15. Lu, X., Yoon, J., & Kisselev, O. (2021). Matching phrase-frames to rhetorical moves in social science research article introductions. *English for Specific Purposes*, 61, 63-83.
16. Lu, X., Yoon, J., & Kisselev, O., Casal, J. E., Liu, Y., Deng, J., & Nie, R. (2021). Rhetorical and phraseological features of research article introductions: Variation among five social science disciplines. *System*, 100, 102543.
17. Casal, J. E., & Lu, X. (2021). 'Maybe complicated is a better word': Second language English graduate student responses to syntactic complexity in a genre-based academic writing course. *International Journal of English for Academic Purposes: Research and Practice*, 1(1), 95-114.
18. Casal, J. E., Lu, X., Qiu, X., Wang, Y., & Zhang, G. (2021). Syntactic complexity across academic research article part-genres: A cross-disciplinary perspective. *Journal of English for Academic Purposes*, 52, 100996.
19. Jin, T., Duan, H., Lu, X., Ni, J., & Guo, K. (2021). Do research articles with more readable abstracts receive higher online attention? Evidence from *Science*. *Scientometrics*, 126, 8471-8490.

20. Ren, C., & Lu, X. (2021). A multi-dimensional analysis of the Management's Discussion and Analysis Narratives in Chinese and American corporate annual reports. *English for Specific Purposes*, 62, 84-99.
21. Su, H., Zhang, Y., & Lu, X. (2021). Applying local grammars to the diachronic investigation of discourse acts in academic writing: The case of exemplification in Linguistics research articles. *English for Specific Purposes*, 63, 120-133.
22. Sun, K., & Lu, X. (2021). Assessing lexical psychological properties in second language production: A dynamic semantic similarity approach. *Frontiers in Psychology*, 12, 672243.
23. Wu, J., & Lu, X. (2021). The relationship between syntactic complexity and L2 Chinese writing quality: Large-grained vs. fine-grained indices. *Yuyan Wenzhi Yingyong [Applied Linguistics]*, (1). [in Chinese]
24. Yang, M., & Lu, X. (2021). From *Xu* to the development of L2 interactional competence: A conversation analytic case study. *Chinese Journal of Applied Linguistics*, 44(3), 273-291.
25. Yin, S., Gao, Y., & Lu, X. (2021). Syntactic complexity of research article part-genres: Differences between emerging and expert international publication writers. *System*, 97, 102427.
26. Lu, X., Casal, J. E., & Liu, Y. (2020). The rhetorical functions of syntactically complex sentences in social science research article introductions. *Journal of English for Academic Purposes*, 44, 100832.
27. Dong, J., & Lu, X. (2020). Promoting discipline-specific genre competence with corpus-based genre analysis activities. *English for Specific Purposes*, 58, 138-154.
28. Jin, T, Lu, X., & Ni, J. (2020). Syntactic complexity in adapted teaching materials: Differences among grade levels and implications for benchmarking. *The Modern Language Journal*, 104(1), 192-208.
29. Liu, Y., & Lu, X. (2020). Chinese EFL learners' misconceptions of noun countability and article use. *System*, 90, 102222.
30. Liu, Y., & Lu, X. (2020). N1 of N2 constructions in academic written discourse: A pattern grammar analysis. *Journal of English for Academic Purposes*, 47, 100893.
31. Peng, J., Wang, C., & Lu, X. (2020). Effect of the linguistic complexity of the input text on alignment, writing fluency, and writing accuracy in the continuation task. *Language Teaching Research*, 24(3), 364-381.
32. Qu, D., Su, Y., & Lu, X. (2020). Effects of online dubbing on the intelligibility and comprehensibility of the pronunciation of Chinese EFL learners. *Foreign Language Education*, 41(6), 77-82. [in Chinese]
33. Shi, B., Huang, L., & Lu, X. (2020). Effect of prompt type on test-takers' writing performance and writing strategy use in the continuation task. *Language Testing*, 37(3), 361-388.

34. Lu, X., & Deng, J. (2019). *With the rapid development: A contrastive analysis of lexical bundles in dissertation abstracts by Chinese and L1 English doctoral students. Journal of English for Academic Purposes, 39*, 21-36.
35. Lu, X., & Liu, Y. (2019). Corpus-based research on formulaic language in academic English and its pedagogical applications. *Foreign Language World, (5)*, 30-38. [in Chinese]
36. Jin, T., Shi, Z., & Lu, X. (2019). "From novice storytellers to persuasive arguers": Learner use of evidence in oral argumentation. *TESOL Quarterly, 53(4)*, 1151-1161.
37. Zhang, J., & Lu, X. (2019). Measuring and supporting second language development using computerized dynamic assessment. *Language and Sociocultural Theory, 6(1)*, 92-115.
38. Lu, X., Kisselev, O., Yoon, J., & Amory, M. D. (2018). Investigating effects of criterial consistency, the diversity dimension, and threshold variation in formulaic language research: Extending the methodological considerations of O'Donnell et al. (2013). *International Journal of Corpus Linguistics, 23(2)*, 158-182.
39. Lu, X., Yoon, J., & Kisselev, O. (2018). A phrase-frame list for social science research article introductions. *Journal of English for Academic Purposes, 36*, 76-85.
40. Guo, K., Jin, T., & Lu, X. (2018). Research and practice in text adaptation: From readability formulas and multidimensional analyses to data-driven adaptation. *Foreign Language Testing and Teaching, (3)*, 35-43. [in Chinese]
41. Jiang, J., Jiang, L., & Lu, X. (2018). Automated scoring of students' English-to-Chinese translations of three text types. *Journal of Quantitative Linguistics, 25(3)*, 238-255.
42. Jin, T., & Lu, X. (2018). A data-driven approach to text adaptation in teaching material preparation: Design, implementation and teacher professional development. *TESOL Quarterly, 52(2)*, 457-467.
43. Liao, J., & Lu, X. (2018). Exploring the affordances of telepresence robots in foreign language learning. *Language Learning and Technology, 22(3)*, 20-32.
44. Lu, X. (2017). Automated measurement of syntactic complexity in corpus-based L2 writing research and implications for writing assessment. *Language Testing, 34(4)*, 493-511.
45. Lu, X., & Wang, B. P.-Y. (2017). Towards a metaphor-annotated corpus of Mandarin Chinese. *Language Resources and Evaluation, 51(3)*, 663-694.
46. Lu, X., & Xu, Q. (2016). L2 Syntactic Complexity Analyzer and its applications in L2 writing research. *Foreign Language Teaching and Research, 48(3)*, 409-420. [in Chinese]
47. Lu, X., & Ai, H. (2015). Syntactic complexity in college-level English writing: Differences among writers with diverse L1 backgrounds. *Journal of Second Language Writing, 29*, 16-27.
48. Park, K., & Lu, X. (2015). Automatic analysis of thematic structure in written English. *International Journal of Corpus Linguistics, 20(1)*, 81-101.

49. Poehner, M. E., Zhang, J., & Lu, X. (2015). Computerized Dynamic Assessment (C-DA): Diagnosing L2 development according to learner responsiveness to mediation. *Language Testing*, 32(3), 337-357.
50. Stevens, R. J., Lu, X., Baker, D. P., Ray, M. N., Eckert, S. A., & Gamson, D. A. (2015). Assessing the cognitive demands of elementary school reading curricula: An analysis of reading text and comprehension tasks from 1910 to 2000. *American Educational Research Journal*, 52(3), 582-617.
51. Yang, W., Lu, X., & Weigle, S. C. (2015). Different topics, different discourse: Relationships among writing topic, measures of syntactic complexity, and judgments of writing quality. *Journal of Second Language Writing*, 28, 53-67. [Honorable Mention, 2015 JSLW Best Article Award]
52. Zhang, X., & Lu, X. (2015). The relationship between vocabulary learning strategies and breadth and depth of vocabulary knowledge. *The Modern Language Journal*, 99(4), 740-753.
53. Lu, X., Gamson, D. A., & Eckert, S. A. (2014). Lexical difficulty and diversity in American elementary school reading textbooks: Changes over the past century. *International Journal of Corpus Linguistics*, 19(1), 94-117.
54. Fernández, J., Gates Tapia, A., & Lu, X. (2014). Oral proficiency and pragmatic marker use in L2 spoken Spanish: The case of *pues* and *bueno*. *Journal of Pragmatics*, 74, 150-164.
55. Hartig, A. J., & Lu, X. (2014). Plain English and legal writing: Comparing expert and novice writers. *English for Specific Purposes*, 33(1), 87-96.
56. Zhang, X., & Lu, X. (2014). A longitudinal study of receptive vocabulary breadth knowledge growth and vocabulary fluency development. *Applied Linguistics*, 35(3), 283-304.
57. Gamson, D. A., Lu, X., & Eckert, S. A. (2013). Challenging the research base of the common core state standards: A historical reanalysis of text complexity. *Educational Researcher*, 42(7), 381-391.
58. Zhang, J., & Lu, X. (2013). Variability in Chinese as a Foreign Language learners' development of the Chinese numeral classifier system. *The Modern Language Journal*, 97(s1), 46-60.
59. Lu, X. (2012). The relationship of lexical richness to the quality of ESL learners' oral narratives. *The Modern Language Journal*, 96(2), 190-208.
60. Thorne, S. L., Fischer, I., & Lu, X. (2012). The semiotic ecology and linguistic complexity of an online game world. *ReCALL*, 25(3), 279-301.
61. Lu, X. (2011). A corpus-based evaluation of syntactic complexity measures as indices of college-level ESL writers' language development. *TESOL Quarterly*, 45(1), 36-62.
62. Lu, X. (2010). Automatic analysis of syntactic complexity in second language writing. *International Journal of Corpus Linguistics*, 15(4), 474-496.

63. Lu, X. (2009). Automatic measurement of syntactic complexity in child language acquisition. *International Journal of Corpus Linguistics*, 14(1), 3-28.
64. Lu, X. (2008). Improving part-of-speech guessing of Chinese unknown words using hybrid models. *International Journal of Corpus Linguistics*, 13(2), 169-193.
65. Lu, X. (2008). Hybrid models for sense guessing of Chinese unknown words. *International Journal of Corpus Linguistics*, 13(1), 99-128.
66. Lu, X. (2007). A hybrid model for Chinese word segmentation. *Journal for Language Technology and Computational Linguistics*, 22(1), 71-88.

### **Chapters in edited volumes, encyclopedias, handbooks, and conference proceedings**

1. Lu, X., Casal, J. E., & Liu, Y. (2022). Automated syntactic analysis for ELT. In R. R. Jablonkai & E. Csomay (Eds.), *The Routledge Handbook of Corpora in English Language Teaching and Learning* (pp. 495-508). New York: Routledge.
2. Lu, X. (2022). Expanding research methods: Automated analyses of written texts. In R. M. Manchón & C. Polio (Eds.), *The Routledge handbook of second language acquisition and writing* (pp. 370-382). New York: Routledge.
3. Lu, X. (2022). What can corpus software reveal about language development? In A. O’Keeffe & M. McCarthy (Eds.), *The Routledge handbook of corpus linguistics* (2nd ed.) (pp. 155-167). London: Routledge.
4. Lu, X., Casal, J. E., & Liu, Y. (2021). Corpus-based genre analysis. In H. Mohebbi & C. Coombe (Eds.), *Research questions in language education and applied linguistics: A reference guide* (pp. 811-816). Berlin: Springer.
5. Lu, X., & Bluemel, B. (2020). Automated assessment of language. In S. Conrad, A. Hartig, & L. Santelmann (Eds.), *The Cambridge introduction to applied linguistics* (pp. 86-93). Cambridge: Cambridge University Press.
6. Yoon, S.-Y., Lu, X., & Zechner, K. (2020). Features measuring vocabulary and grammar. In K. Zechner & K. Evanini (Eds.), *Automated speaking assessment: Using language technologies to score spontaneous speech* (pp. 123-137). New York: Routledge.
7. Wang, B. P.-Y., Lu, X., Hsu, C.-C., Lin, E. P.-C., & Ai, H. (2019). Linguistic metaphor identification in Chinese. In S. Nacey, A. G. Dorst, T. Krennmayr, & W. G. Reijnierse (Eds.), *Metaphor identification in multiple languages: MIPVU around the world* (pp. 247-266). Amsterdam: John Benjamins.
8. Lu, X., & Chen, B. (2019). Computational and corpus approaches to Chinese language learning: An introduction. In X. Lu & B. Chen (Eds.), *Computational and corpus approaches to Chinese language learning* (pp. 3-11). Singapore: Springer.

9. Xu, H., Lu, X., & Brezina, V. (2019). Acquisition of the Chinese particle *le* by L2 learners: A corpus-based approach. In X. Lu & B. Chen (Eds.), *Computational and corpus approaches to Chinese language learning* (pp. 197-216). Singapore: Springer.
10. Ai, H., & Lu, X. (2018). Exploring the interdisciplinary synergy between Sociocultural Theory and intelligent computer-assisted language learning. In J. P. Lantolf, M. E. Poehner, & M. Swain (Eds.), *The Routledge handbook of sociocultural theory and second language development* (pp. 409-421). New York: Routledge.
11. Lu, X. (2018). Natural language processing and intelligent computer-assisted language learning (ICALL). In J. I. Lontas (Ed.), *The TESOL encyclopedia of English language teaching*. Chichester, UK: Wiley Blackwell.
12. Liao, J., Master, K. A., & Lu, X. (2017). Foreign language learning at an arboretum using telepresence robots. In *Proceedings of the 18th International CALL Research Conference* (pp. 456-460). Antwerp, Belgium: University of Antwerp.
13. Poehner, M. E., Zhang, J., & Lu, X. (2017). Computerized dynamic assessments for young language learners. In M. K. Wolf & Y. G. Butler (Eds.), *English language proficiency assessments for young learners* (pp. 214-233). London: Routledge.
14. Ai, H., & Lu, X. (2013). A corpus-based comparison of syntactic complexity in NNS and NS university students' writing. In A. Díaz-Negrillo, N. Ballier, & P. Thompson (Eds.), *Automatic treatment and analysis of learner corpus data* (pp. 249-264). Amsterdam/Philadelphia: John Benjamins.
15. Lahiri, S., Mitra, P., & Lu, X. (2011). Informality judgment at sentence level and experiments with F-score. In A. Gelbukh (Ed.), *Lecture notes in computer science: Vol. 6609. Computational linguistics and intelligent text processing* (pp. 446-457). Berlin: Springer.
16. Lu, X. (2010). What can corpus software reveal about language development? In A. O'Keeffe & M. McCarthy (Eds.), *The Routledge handbook of corpus linguistics* (pp. 184-193). London: Routledge.
17. Lu, X. (2008). Automatic measurement of syntactic complexity using the revised developmental level scale. In *Proceedings of the 21st International Florida Artificial Intelligence Research Society Conference* (pp. 153-158). Menlo Park, CA: AAAI Press.
18. Lu, X. (2007). Combining machine learning with linguistic heuristics for Chinese word segmentation. In *Proceedings of the 20th International Florida Artificial Intelligence Research Society Conference* (pp. 241-246). Menlo Park, CA: AAAI Press.
19. Lu, X. (2007). Hybrid models for semantic classification of Chinese unknown words. In *Proceedings of Human Language Technologies 2007: The Conference of the North American Chapter of the Association for Computational Linguistics* (pp. 188-195). Rochester, NY: Association for Computational Linguistics.
20. Lu, X. (2005). Hybrid methods for POS guessing of Chinese unknown words. In *Proceedings of the Student Research Workshop at the 43rd Annual Meeting of the Association for Computational Linguistics* (pp. 1-6). Ann Arbor, MI: Association for Computational Linguistics.



21. Lu, X. (2005). Promoting learner awareness of language transfer errors in ICALL. In *Proceedings of the 2004 International Symposium on Applied Linguistics and Language Teaching* (pp. 521-530). Cedar Falls, IA: The University of Northern Iowa.
22. Lu, X. (2005). Towards a hybrid model for Chinese word segmentation. In *Proceedings of the 4th SIGHAN Workshop on Chinese Language Processing at the 2nd International Joint Conference on Natural Language Processing* (pp. 189-192). Jeju, Korea: Asian Federation of Natural Language Processing.
23. Lu, X. (2004). On the distribution of Chinese number expressions. In *Proceedings of the 20th Northwest Linguistics Conference* (pp. 145-160). Seattle, WI: University of Washington.
24. Lu, X. (2002). Discourse and ideology: The Taiwan issue in the Chinese and American media. In C. N. Candlin (Ed.), *Research and practice in professional discourse* (pp. 589-608). Hong Kong: City University of Hong Kong Press.

### **Book reviews**

1. Lu, X. (2020). [Review of the book *Corpus Linguistics and the Description of English* (2nd ed.), by H. Lindquist & L. Magnus]. *Journal of English Linguistics*, 48(1), 97-100.
2. Lu, X. (2015). [Review of the book *Automated grammatical error detection for language learners* (2nd ed.), by C. Leacock, M. Chodorow, M. Gamon, & J. Tetreault]. *Computational Linguistics*, 41(1), 149-151.
3. Lu, X. (2013). [Review of the book *Explorations across languages and corpora*, by S. Gozd-Roszkowski (Ed.)]. *The Modern Language Journal*, 97(1), 296-297.
4. Lu, X. (2010). [Review of the book *A frequency dictionary of Mandarin Chinese: Core vocabulary for learners*, by R. Xiao, P. Rayson, & T. McEnery]. *Chinese Language and Discourse*, 1(1), 125-129.
5. Lu, X. (2008). [Review of the book *Computational approaches to morphology and syntax*, by B. Roark & R. Sproat]. *Linguist List*, 19.438.
6. Lu, X. (2007). [Review of the book *Developmental theory and language disorders*, by P. Fletcher & J. F. Miller (Eds.)]. *WORD*, 58(3), 204-208.
7. Lu, X. (2007). [Review of the book *Corpus linguistics and world Englishes: An analysis of Xhosa English*, by V. de Klerk]. *Linguist List*, 18.1195.

### **Funded Research**

#### **External funding**

1. 2014-2018. *Corpus-based Developmental Language Assessment* (Role: Faculty Associate), part of the Center for Advanced Language Proficiency Education and Research (CALPER) funded by a U.S. Department of Education Title VI Award (PI: James P. Lantolf).

2. 2010-2014. *Graphic Online Language Diagnostic* (Role: Faculty Associate), part of the Center for Advanced Language Proficiency Education and Research (CALPER) funded by a U.S. Department of Education Title VI Award (PIs: James P. Lantolf and Karen E. Johnson).
3. 2008-2011. *Computerized Dynamic Assessment of Language Proficiency in French, Russian and Chinese* (Role: Co-Investigator). U.S. Department of Education (\$321,000; PIs: James P. Lantolf and Matthew E. Poehner).
4. 2008-2011. *Rereading Our Past: The Cognitive Demands of Reading and Reading Comprehension, 1890-2005* (Role: Co-Investigator). Spencer Foundation (\$468,750; PI: David A. Gamson).
5. 2006-2010. *Assessing Development of Advanced Proficiency through Learner Corpora* (Role: Faculty Associate), part of the Center for Advanced Language Proficiency Education and Research (CALPER) funded by a U.S. Department of Education Title VI Award (PIs: James P. Lantolf and Karen E. Johnson).

### **Student projects**

1. 2009. *Using L2 Learner English to Improve English-Chinese Machine Translation*. (Role: Faculty Advisor; Student Advised: Chris Lengerich). Undergraduate Summer Discovery Grant (\$2,500).
2. 2007-2008. *Analyzing the Real-World Strength between Geographically-Distinct Node Clusters on Facebook's Social Graph* (Role: Faculty Advisor; Student Advised: Alan deLevie). Penn State President's Fund for Undergraduate Research (\$500).

### **Presentations and Participations**

#### **Keynote speeches**

1. Lu, X. (2022). Phrasal and phraseological complexity measures in Chinese and their relationship to L2 Chinese writing quality. The Sixth International Symposium on Chinese Language and Discourse. Macau, China. Online. December 9-10.
2. Lu, X. (2022). Effects of proficiency, L1 background, and topic on the syntactic complexity of EFL learners' spoken production. 2022 International Conference on Second Language Acquisition Research in China. Qingdao, China. Online. November 5.
3. Lu, X. (2021). Effect of the linguistic complexity of the input text on alignment and writing performance in the continuation task. The Third Colloquium on the Xu-based Approach to Second Language Learning. Qingdao, China. Online. November 27.
4. Lu, X. (2021). Understanding factors affecting second language processing: A synergy between corpus linguistic and psycholinguistic methods. National Summer School and Graduate Forum on the Interdisciplinary Studies of Second Language Acquisition. Qingdao, China. Online. July 9.

5. Lu, X. (2021). Exploring the relationship between syntactic complexity and readability: Perspectives, tools, and findings. Workshop on Automatic Readability Assessment. City University of Hong Kong. Online. May 20.
6. Lu, X. (2020). Telepresence-placed-based foreign language learning and its design principles. The Third Pan-Pacific Technology Enhanced Language Learning Conference. Online. June 29.
7. Lu, X. (2019). Python and NLTK in corpus linguistics research. Colloquium on Corpus Linguistics: New Perspectives, Methods and Tools. Guangzhou, China. July 3-5.
8. Lu, X. (2019). A corpus-based analysis of the rhetorical functions and their linguistic realizations in social science research article introductions. The Fifth China EAP Association Annual Conference and the Fourth International Symposium on EAP in Asia. Shanghai, China. May 25-26.
9. Lu, X. (2019). The rhetorical functions of syntactically complex sentences in academic writing. The 2019 International PhD Forum on Linguistics and Applied Linguistics. Guangzhou, China. May 11-12.
10. Lu, X. (2017). Towards the synergy of corpus-based and genre-based approaches to EAP writing research and pedagogy. The Third China EAP Association Annual Conference and the Second International Symposium on EAP in Asia. Wuhan, China. May 19-21.
11. Lu, X. (2016). The compilation and analysis of a metaphor-annotated corpus of Mandarin Chinese. Buckeye East Asian Linguistics Forum 2. Columbus, OH. October 21.
12. Lu, X. (2016). Towards a metaphor-annotated corpus of Mandarin Chinese. The Fifth International Cognitive Semantic Conference. Chongqing, China. June 10-13.

### ***Selected invited talks, workshops and participations***

1. Ai, H., & Lu, X. (2023). A data-driven and graduated approach to providing corrective feedback on verb-noun collocation in college-level second language writing. Invited Colloquium on Expanding theoretical and methodological approaches to data-driven learning: Moving forward with research and pedagogy, The American Association for Applied Linguistics 2023 Conference. Portland, OR. March 18-21.
2. Lu, X. (2022). Technology in teaching ESP. Department of English, Iowa State University. Online. November 30.
3. Lu, X. (2022). Integrating corpus- and genre-based approaches in academic writing research and pedagogy. Penn State Workshops in Research Methods for Applied Linguists, Center for Language Acquisition, The Pennsylvania State University. Online. November 11.
4. Lu, X. (2022). Corpus linguistics and second language acquisition: Perspectives, issues, and findings. School of Foreign Studies, South China Normal University. Online. May 17.

5. Lu, X. (2022). Corpus-based genre analysis and academic genre competence: Research and pedagogical perspectives. School of Foreign Languages, Shanghai Jiao Tong University. Online. April 8.
6. Lu, X. (2021). Replication research in second language acquisition. College of Foreign Languages, Ocean University of China. Online. December 21.
7. Lu, X. (2021). The phraseological dimension in L2 Chinese writing complexity research. Department of Foreign Languages, University of Chinese Academy of Sciences. Online. June 25.
8. Lu, X. (2021). Impacts of concept-, corpus- and genre-based writing pedagogy on graduate students' genre knowledge development. School of Foreign Languages, Beijing Forestry University. Online. April 21.
9. Lu, X. (2020). Sense-aware lexical sophistication indices and their relationship to L2 writing quality. Department of Linguistics, Montclair State University. Online. November 17.
10. Lu, X. (2020). Automatic analysis of syntactic complexity. Department of English Language and Literature, Yonsei University. Online. August 10.
11. Lu, X. (2020). Promoting academic genre competence using corpus-based genre analysis activities. Invited pre-conference workshop at the Third Pan-Pacific Technology Enhanced Language Learning Conference. Online. June 29.
12. Lu, X., Liu, Y., & Casal, J. E. (2019). Usage-based theory meets EAP/ESP research. Invited Colloquium on Corpus-based Approaches to SLA, The 2019 Second Language Research Forum. East Lansing, MI. September 21.
13. Lu, X. (2019). From data-driven topic selection and text adaptation to collaborative development of critical thinking skills: An integrated approach to academic English course design. School of Foreign Languages, Peking University, Beijing, China. June 26.
14. Lu, X. (2019). From data-driven topic selection and text adaptation to collaborative development of critical thinking skills: An integrated approach to academic English course design. Invited pre-conference workshop at the Fifth China EAP Association Annual Conference and the Fourth International Symposium on EAP in Asia. Shanghai, China. May 24.
15. Lu, X. (2019). Towards a functional turn in L2 writing syntactic complexity research. Invited Colloquium on Let's Automate: Natural Language Processing Tools and Their Applications, The American Association for Applied Linguistics 2019 Conference. Atlanta, GA. March 9-12.
16. Lu, X. (2018). Data-driven text adaptation for academic English reading. School of Foreign Languages, Sun Yat-sen University. Guangzhou, China. December 15.
17. Lu, X. (2018). Corpus linguistics, genre analysis, and second language writing: A research synergy. Duolingo. Pittsburgh, PA. August 16.

18. Lu, X. (2018). Formulaic sequences in academic writing: Methodological considerations and pedagogical applications. Department of Foreign Languages, University of Chinese Academy of Sciences. Beijing, China. June 27.
19. Lu, X. (2017). Towards the synergy of corpus-based and genre-based approaches to EAP writing research and pedagogy. Department of Linguistics, University of Tübingen. Tübingen, Germany. October 27.
20. Lu, X. (2017). Towards the synergy of corpus-based and genre-based approaches to EAP writing research and pedagogy. College of Foreign Languages, Nankai University. Tianjin, China. July 7.
21. Lu, X. (2017). Using corpus technologies for EAP teaching and research. Invited pre-conference workshop at the Third China EAP Association Annual Conference and the Second International Symposium on EAP in Asia. Wuhan, China. May 19.
22. Lu, X. (2016). Factors affecting L2 writing syntactic complexity and implications for assessment. Invited Colloquium on Connections Between Corpus Linguistics and Language Assessment (Joint AAAL/ILTA Session), The American Association for Applied Linguistics 2016 Conference (AAAL-16). Orlando, FL. April 9-12.
23. Lu, X. (2016). Invited symposium participant. The Second Symposium of the Language Flagship Technology Innovation Center. Pittsburgh, PA. February 26-27.
24. Lu, X. (2016). L2 Syntactic Complexity Analyzer: Applications in L2 writing research and natural language processing. Department of English, University of Arizona. Tucson, AZ. January 19.
25. Lu, X. (2016). Lexical and syntactic complexity features of ESP writing. Interlingual Language Centre for Lexicology, English Language and Corpus Studies, Université Paris Diderot. Paris, France. January 11.
26. Lu, X. (2015). The L2 Syntactic Complexity Analyzer and its applications. Talk Series in Celebration of the 50th Anniversary, Guangdong University of Foreign Studies. Guangzhou, China. July 6.
27. Lu, X. (2015). The L2 Syntactic Complexity Analyzer and its applications. School of Foreign Languages, Shanghai Jiao Tong University. Shanghai, China. June 10.
28. Lu, X. (2015). The L2 Syntactic Complexity Analyzer and its applications. School of International Studies, University of International Business and Economics. Beijing, China. June 4.
29. Lu, X. (2014). Automatic assessment of lexical and syntactic complexity in second language acquisition. National Research Centre for Foreign Language Education, Beijing Foreign Studies University. Beijing, China. May 21.
30. Lu, X. (2014). Automatic assessment of lexical and syntactic complexity in second language acquisition. Department of English, Chinese University of Hong Kong. Hong Kong, China. April 30.

31. Lu, X. (2014). Variability in Chinese as a Foreign Language Learners' Development of the Chinese Numeral Classifier System. Mandarin Training Center, National Taiwan Normal University. Taipei. March 12.
32. Lu, X. (2013). Automatic analysis of L2 lexical and syntactic complexity. The First International Workshop on Advanced Learning Sciences (IWALS-13). University Park, PA. October 21.
33. Lu, X. (2013). A historical analysis of text complexity of the American reading curriculum. Department of Linguistics, Montclair State University. Montclair, NJ. September 27.
34. Lu, X. (2013). Graphic Online Language Diagnostic. Roundtable on Development and Analysis of Slavic Learner Corpora at the 2013 Annual Conference of the American Association of Teachers of Slavic and East European Languages (AATSEEL-13). Boston, MA. January 5.
35. Lu, X. (2011). Marrying computational linguistics with applied linguistics and second language acquisition. Teachers College, Columbia University. New York, NY. September 20.
36. Lu, X. (2010). Automatic assessment of lexical and syntactic complexity in L1 and L2 acquisition. Department of Classics, Tufts University. Medford, MA. December 1.
37. Lu, X. (2010). Measures of lexical and syntactic complexity in L1 and L2 acquisition. Educational Testing Service (ETS). Princeton, NJ. June 16.

### ***Conference and workshop presentations***

1. Lu, X., & Hu, R. (2022). Sense-aware lexical sophistication indices and their relationship to second language writing quality. The American Association for Applied Linguistics 2022 Conference (AAAL-22). Pittsburgh, PA. March 19-22.
2. Lu, X., Casal, J. E., & Liu, Y. (2018). A corpus-based study of the rhetorical functions of syntactically complex sentences in research article introductions. The 14th Conference of the American Association for Corpus Linguistics (AACL-18). Atlanta, GA. September 20-22.
3. Lu, X., Yoon, J., & Kisselev, O. (2018). Matching phrase-frames to rhetorical moves in social science research article introductions. The 14th Conference of the American Association for Corpus Linguistics (AACL-18). Atlanta, GA. September 20-22.
4. Liu, Y., & Lu, X. (2018). The count/mass properties of nouns and Chinese EFL learners' article use: A corpus-based investigation. The 14th Conference of the American Association for Corpus Linguistics (AACL-18). Atlanta, GA. September 20-22.
5. Xu, H., Lu, X., & Vaclav, B. (2018). Acquisition of the Chinese particle *le* by L2 learners: A corpus-based approach. The 4th Asia Pacific Corpus Linguistics Conference (ACPLC-18). Kagawa, Japan. September 17-19.
6. Yoon, J., Kisselev, O., & Lu, X. (2018). A phrase-frames list for social science research articles: Methodological considerations and pedagogical implications. The American Association for Applied Linguistics 2018 Conference (AAAL-18). Chicago, IL. March 24-27.

7. Kisselev, O., Yoon, J., & Lu, X. (2017). Investigating the effects of expertise and native language status in first and second language writing: P-frames across frequency profiles. The 4th Learner Corpus Research Conference. Bolzano, Italy. October 5-7.
8. Liao, J., Masters, K., & Lu, X. (2017). Foreign language learning at arboretum via telepresence robots. The 18th International CALL Research Conference. Berkeley, CA. July 7-9.
9. Lu, X., Casal, J. E., & Liu, Y. (2017). A corpus-based study of the rhetorical functions of syntactically complex sentences in research article introductions. The 38th Conference of the International Computer Archive of Modern and Medieval English (ICAME-17). Prague, Czech Republic. May 24-28.
10. Peng, J., Wang, C., & Lu, X. (2017). Effect of the linguistic complexity of the input text on alignment, writing fluency, and writing accuracy in the continuation task. The American Association for Applied Linguistics 2017 Conference (AAAL-17). Portland, OR. March 18-21.
11. Lu, X., Kisselev, O., Yoon, J., & Amory, M. (2016). Methodological considerations in formulaic sequence research: A modified replication of O'Donnell, Römer, and Ellis (2013). The 13th Conference of the American Association for Corpus Linguistics (AACL-16). Ames, IA. September 16-18.
12. Zhang, X., & Lu, X. (2016). The relationship between vocabulary learning strategies and breadth and depth of vocabulary knowledge. The American Association for Applied Linguistics 2016 Conference (AAAL-16). Orlando, FL. April 9-12.
13. Zhang, J., & Lu, X. (2016). Computerized Dynamic Assessment: Measuring learning potentials and supporting second language development in classrooms. Colloquium on Exploring the Role of Dynamic Assessment in Language Education, Georgetown University Round Table on Languages and Linguistics 2016 (GURT-16). Washington, D.C. March 11-13.
14. Gamson, D. A., Eckert, S. A., & Lu, X. (2015). Lexical difficulty and diversity of first-grade reading textbooks: Changes in the last 50 years. The 2015 Annual Meeting of the American Educational Research Association (AERA-15). Chicago, IL. April 16-20.
15. Zhang, J., & Lu, X. (2015). Computerized Dynamic Assessment: Measuring learning potentials and supporting L2 Chinese development in classrooms. The 27th North American Conference on Chinese Linguistics (NACCL-15). Los Angeles, CA. April 3-5.
16. Lu, X., & Wang, B. P.-Y. (2015). The compilation and application of a metaphor-annotated corpus of Mandarin Chinese. The American Association for Applied Linguistics 2015 Conference (AAAL-15). Toronto, Canada. March 21-24.
17. Lu, X., & Ai, H. (2014). A corpus-based study of the effect of L1 on syntactic complexity in college-level English writing. The Second Asia Pacific Corpus Linguistics Conference (APCLC-14). Hong Kong, China. March 7-9.

18. Zhang, J., & Lu, X. (2013). Computerized dynamic assessment of L2 Chinese listening comprehension. The 2013 Annual Meeting of the Chinese Language Teachers Association (CLTA-13). Orlando, FL. November 22-24.
19. Lantolf, J. P., Poehner, M. E., & Lu, X. (2013). Innovative on-line reading and listening Dynamic Assessments in Chinese, French and Russian. WUN Language Assessment Research Network Conference 2013 (LARN-13). Hangzhou, China. July 7-10.
20. Lu, X., & Ableeva, R. (2013). Innovative on-line reading and listening Dynamic Assessments in Chinese, French and Russian. The 30th Annual Symposium of the Computer Assisted Language Instruction Consortium (CALICO-13). Honolulu, HI. May 21-25.
21. Lu, X., & Ai, H. (2013). Syntactic complexity in college-level English writing: Differences among writers with diverse L1 backgrounds. Colloquium on "New Developments in the Study of L2 Complexity" at the American Association for Applied Linguistics 2013 Conference (AAAL-13). Dallas, TX. March 16-19.
22. Ai, H., & Lu, X. (2013). Automatic measurement of lexical complexity in Mandarin Chinese. The 11th Conference for the American Association for Corpus Linguistics (AACL-13). San Diego, CA. January 18-20.
23. Ai, H., & Lu, X. (2012). Promoting L2 Chinese development with intelligent computer-assisted language learning. The 31st Second Language Research Forum (SLRF-12). Pittsburgh, PA. October 18-21.
24. Park, K., & Lu, X. (2012). Corpus-based automatic analysis of thematic structure in written English. The First World Congress of Scholars of English Linguistics (WCSEL-12). Seoul, Korea. June 26-30.
25. Lu, X., & Park, K. (2012). Automatic analysis of theme-rheme structure in written English texts. The 14th International Conference on Contemporary Linguistics in China (ICCLC-12). Xi'an, China. May 11-13.
26. Gamson, D. A., Lu, X., Eckert, S. A., Knipe, H., & Hammerschlag, P. (2012). Rereading our past: The cognitive demands of reading and reading comprehension, 1900-2010. The 2012 Annual Meeting of the American Educational Research Association (AERA-12). Vancouver, Canada. April 13-17.
27. Wang, C., & Lu, X. (2012). Using natural language processing techniques to generate test items for reading assessments. The 2012 Annual Meeting of the National Council on Measurement in Education (NCME-12). Vancouver, Canada. April 13-17.
28. Yang, W., Lu, X., & Weigle, S. C. (2012). Predictive power of linguistic complexity of L2 Writing on writing performance and topic effect. The 34th Language Testing Research Colloquium (LTRC-12). Princeton, NJ. April 1-5.
29. Yang, W., Lu, X., & Weigle, S. C. (2012). Syntactic complexity of ESL writing, writing performance, and the role of topic. Georgetown University Round Table on Languages and Linguistics 2012 (GURT-12). Washington, DC. March 8-11.



30. Lantolf, J. P., Poehner, M. E., Lu, X., & Ableeva, R. (2011). Helping teachers meet learner needs through innovative on-line diagnostic assessment. The 2011 Annual Convention of the American Council on the Teaching of Foreign Languages (ACTFL-11). Denver, CO. November 18-20.
31. Ai, H., & Lu, X. (2011). A corpus-informed web-based Chinese ICALL system. The 10th Conference for the American Association for Corpus Linguistics (AACL-11). Atlanta, GA. October 7-9.
32. Park, K., & Lu, X. (2011). Automatic analysis and tagging of thematic structure in written corpora. The 10th Conference for the American Association for Corpus Linguistics (AACL-11). Atlanta, GA. October 7-9.
33. Tsai, M.-H., & Lu, X. (2011). A cognitive semantic analysis of EFL speakers' collocational errors. The 10th Conference for the American Association for Corpus Linguistics (AACL-11). Atlanta, GA. October 7-9.
34. Baker, D. P., Stevens, R. J., & Lu, X. (2011). Curricular change across the 20th century: A comparison of primary school reading and mathematical textbooks. The 2011 Annual Meeting of the American Educational Research Association (AERA-11). New Orleans, LA. April 6-12.
35. Lu, X., & Thorne, S. L. (2011). The linguistic complexity of reading textbooks: Changes over the past century. The 2011 Annual Meeting of the American Educational Research Association (AERA-11). New Orleans, LA. April 6-12.
36. Ai, H., & Lu, X. (2011). "Well, you know, it's like": A corpus-based study of the use of pragmatic markers by EFL speakers. The American Association for Applied Linguistics 2011 Conference (AAAL-11). Chicago, IL. March 26-29.
37. Lu, X., & Park, K. (2011). A corpus-based comparative study of thematic structure in native and non-native student writing. The American Association for Applied Linguistics 2011 Conference (AAAL-11). Chicago, IL. March 26-29.
38. Park, K., & Lu, X. (2011). A corpus-driven investigation of thematic structure in expert and novice academic writing. The American Association for Applied Linguistics 2011 Conference (AAAL-11). Chicago, IL. March 26-29.
39. Zhang, J., Tsai, M.-H., & Lu, X. (2011). Understanding learner difficulties and mediating learner performance in Chinese as a Foreign Language listening comprehension: A dynamic assessment approach. The American Association for Applied Linguistics 2011 Conference (AAAL-11). Chicago, IL. March 26-29.
40. Lahiri, S., Mitra, P., & Lu, X. (2011). Informality judgment at sentence level and experiments with F-score. The 12th International Conference on Intelligent Text Processing and Computational Linguistics (CICLING-11). Tokyo, Japan. February 20-26.
41. Ai, H., & Lu, X. (2010). A web-based system for automatic measurement of lexical complexity. The 27th Annual Symposium of the Computer Assisted Language Instruction Consortium (CALICO-10). Amherst, MA. June 8-12.

42. Lu, X., & Lantolf, J. P. (2010). Tracking L2 development using a corpus-based approach. The 57th Annual Northeast Conference on the Teaching of Foreign Languages (NECTFL-10). New York, NY. March 25-27.
43. Lu, X., & Thorne, S. L. (2010). A historical analysis of linguistic changes in the American reading curriculum. The American Association for Applied Linguistics 2010 Conference (AAAL-10). Atlanta, GA. March 6-9.
44. Lu, X. (2009). A corpus-based approach to tracking L2 development. The 2009 Annual Convention of the American Council on the Teaching of Foreign Languages (ACTFL-09). San Diego, CA. November 20-22.
45. Lu, X. (2009). A corpus-based evaluation of syntactic complexity measures as indices of college-level ESL writers' language proficiency. The American Association for Applied Linguistics 2009 Conference (AAAL-09). Denver, CO. March 21-24.
46. Heift, T., Schulze, M., Meurers, D., & Lu, X. (2009). Successes and challenges of ICALL for learning, teaching and research. Discussion panel. The 26th Annual Symposium of the Computer Assisted Language Instruction Consortium (CALICO-09). Tempe, AZ. March 10-14.
47. Lu, X. (2009). Automating and evaluating measures of L2 lexical complexity. The 26th Annual Symposium of the Computer Assisted Language Instruction Consortium (CALICO-09). Tempe, AZ. March 10-14.
48. Lu, X. (2009). Automating measures of L2 syntactic complexity. Workshop on Automatic Analysis of Learner Language at the 26th Annual Symposium of the Computer Assisted Language Instruction Consortium (CALICO-09). Tempe, AZ. March 10-14.
49. Lu, X. (2008). Corpus linguistics research at Penn State. The 2nd Meeting of the Pennsylvania Applied Linguistics Consortium (PAALC-08). Philadelphia, PA. September 27.
50. Lu, X. (2008). Automatic measurement of syntactic complexity using the revised developmental level scale. The 21st International Florida Artificial Intelligence Research Society Conference (FLAIRS-08). Coconut Grove, FL. May 15-17.
51. Lu, X. (2008). Automatic measurement of syntactic complexity in second language acquisition. Workshop on Automatic Analysis of Learner Language at the 25th Annual Symposium of the Computer Assisted Language Instruction Consortium (CALICO-08). San Francisco, CA. March 18-22.
52. Lu, X. (2007). Computational analysis of linguistic complexity. The 24th Annual Symposium of the Computer Assisted Language Instruction Consortium (CALICO-07). San Marcos, TX. May 22-26.
53. Lu, X. (2007). Combining machine learning with linguistic heuristics for Chinese word segmentation. The 20th International Florida Artificial Intelligence Research Society Conference (FLAIRS-07). Key West, FL. May 7-9.

54. Lu, X. (2007). Hybrid models for semantic classification of Chinese unknown words. *Human Language Technologies 2007: The Conference of the North American Chapter of the Association for Computational Linguistics (NAACL HLT 2007)*. Rochester, NY. April 22-27.
55. Lu, X. (2005). Knowledge representation matching. Palo Alto Research Center (PARC) Summer Intern Poster Session. Palo Alto, CA. July 29.
56. Lu, X. (2005). Hybrid methods for POS guessing of Chinese unknown words. The Student Research Workshop at the 43rd Annual Meeting of the Association for Computational Linguistics (ACL-05). Ann Arbor, MI. June 27.
57. Lu, X. (2004). Are generics modal? The 34th Annual Meeting of the Michigan Linguistic Society (MLS-04). Flint, MI. October 16.
58. Lu, X. (2004). Promoting learner awareness of language transfer errors in ICALL. The 6th International Symposium on Applied Linguistics and Language Teaching (ISALLT-04). Beijing-Shanghai, China. August 8-14.
59. Lu, X. (2004). On the distribution of Chinese number expressions. The 20th Northwest Linguistics Conference (NWLC-04). Seattle, WA. May 1-2.
60. Lu, X. (2000). Discourse and ideology: The Taiwan issue in the Chinese and American media. International Conference on Research and Practice in Professional Discourse. Hong Kong, China. November 15-19.

### Multiple-day Summer Institutes and Workshops

- |             |   |
|-------------|---|
| August 2015 | CALPER Summer Workshop Series for Language Educators, University Park, PA<br><i>Using GOLD to Track Learner Development</i> (with James P. Lantolf) |
| June 2014   | CALPER Summer Workshop Series for Language Educators, University Park, PA<br><i>Vocabulary Teaching and Learning</i> (with Gabriela Appel)          |
| July 2012   | CALPER Summer Workshop Series for Language Educators, University Park, PA<br><i>Compiling and Analyzing Your Own Learner Corpus</i>                 |
| July 2010   | CALPER Summer Workshop Series for Language Educators, University Park, PA<br><i>Tracking Language Development with Learner Corpora</i>              |
| July 2009   | 2009 Summer Institute in Applied Linguistics, University Park, PA<br><i>Computational and Statistical Methods for Corpus Analysis</i>               |

### Teaching

- |              |  |
|--------------|--|
| 2006-present | Department of Applied Linguistics, The Pennsylvania State University<br>(1) <i>APLNG 083: First-Year Seminar in Applied Linguistics</i><br>(2) <i>APLNG 200: Introduction to Language, Culture and Social Interaction</i><br>(3) <i>APLNG 491: Theory: Second Language Acquisition</i> |
|--------------|--|

- (4) *APLNG 578: Computational and Statistical Methods for Corpus Analysis*
- (5) *APLNG 579: Seminar in Applied Corpus Linguistics*
- (6) *APLNG 583: Methods of Language Assessment*
- (7) *APLNG 588: Design and Research of Technology-Mediated Language Learning*
- (8) *APLNG 589: Technology in Foreign Language Education: An Overview*
- (9) *APLNG 597: Functional Linguistics*
- (10) *APLNG 597: Statistical Analysis of Qualitative and Corpus Data*

- 2002-2005 Department of Linguistics, The Ohio State University  
 (1) *LING 201: Introduction to Language in the Humanities* (5 quarters)  
 (2) *LING 384: Language and Computers* (4 quarters)
- 1997-1999 Department of Computer Science, Nankai University, Tianjin, China  
 (1) *College English Intensive Reading* (4 semesters)  
 (2) *English Grammar Refresher* (1 semester)
- 1997-1999 Department of English, Xiehe Business Training Institute, Tianjin, China  
 (1) *College English Composition* (4 semesters)  
 (2) *College English Conversation* (1 semester)

### Advising and Thesis/Dissertation Examination

#### ***Ph.D. dissertation committee chair/co-chair***

1. Minjin Kim (Applied Linguistics, in progress)
2. Xixin Qiu (Applied Linguistics, ABD)
3. Yuanheng Wang (Applied Linguistics, ABD)
4. Genggeng Zhang (Applied Linguistics, ABD)
5. Min Rosemary Pang (with Joseph Wright, Political Science, 2022)
6. Yingying Liu (Applied Linguistics, 2021; Ocean University of China)
7. Elliott Casal (Applied Linguistics, 2020; University of Memphis)
8. Mathurin Leelasetakul (Applied Linguistics, 2019; Chulalongkorn University)
9. Olesya Kisselev (Applied Linguistics, 2018; University of Texas San Antonio)
10. Haiyang Ai (Applied Linguistics, 2015; University of Cincinnati)
11. Brody Bluemel (Applied Linguistics, 2015; Delaware State University)
12. Donald Vosburg (with Richard Page, German, 2015; Carleton College)
13. Xian Zhang (with James Lantolf, Applied Linguistics, 2014; University of North Texas)
14. Tracy Davies (Applied Linguistics, 2012; Central Michigan University)

#### ***Ph.D. dissertation committee member***

1. Carolin Jolitz (German, in progress)
2. Bailing Liu (Educational Psychology, in progress)
3. Yulia Khoruzhaya (Applied Linguistics, ABD)
4. Tianfang Wang (Applied Linguistics, ABD)
5. Brett Diaz (Applied Linguistics, 2021)
6. Jian Liao (Learning, Design & Technology, 2020)
7. Jinyuan Song (Management & Organization, 2019)
8. Mai Al-Fahid (Curriculum & Instruction, 2017)
9. Siddhartha Banerjee (Information Sciences & Technology, 2017)

10. Lihong Huang (Linguistics, Georgetown University, 2017)
11. Yafei Wang (Information Sciences & Technology, 2017)
12. Jeremy Gevara (Applied Linguistics, 2016)
13. Edie Furniss (Applied Linguistics, 2015)
14. Alissa Hartig (Applied Linguistics, 2014)
15. Mei-Hsing Tsai (Applied Linguistics, 2014)
16. Sumit Bhatia (Computer Science & Engineering, 2013)
17. Julieta Fernandez (Applied Linguistics, 2013)
18. Seunghee Jin (Curriculum & Instruction, 2013)
19. Wei Lai (Applied Linguistics, 2012)
20. Jie Zhang (Applied Linguistics, 2011)
21. Kwanghyun Park (Applied Linguistics, 2010)
22. Xingren Xu (Applied Linguistics, 2008)

***Ph.D. candidacy/qualifying exam committee member***

1. Ying Xiong (Applied Linguistics, Fall 2022)
2. Yingliang He (Applied Linguistics, Fall 2018)
3. Jungwan Yoon (Applied Linguistics, Fall 2015)
4. Michael Amory (Applied Linguistics, Fall 2015)
5. Lindsey Kurtz (Applied Linguistics, Fall 2013)
6. Leo Schmitt (Applied Linguistics, Fall 2011)

***Ph.D. dissertation defense committee member***

1. Xue Bai (Applied Linguistics, Huazhong University of Science and Technology, 2017)
2. Yumei Fang (Applied Linguistics, Huazhong University of Science and Technology, 2017)
3. Fang Liu (Applied Linguistics, Huazhong University of Science and Technology, 2017)

***Ph.D. thesis external examiner***

1. Siyu Lei (Hong Kong Polytechnic University, 2022)
2. Xiaowen Wang (Hong Kong Polytechnic University, 2021)
3. Anran Li (Hong Kong Polytechnic University, 2021)
4. Tingting Zhang (University of Auckland, 2020)
5. Guihua Wang (Nanyang Technological University, 2017)

***Postdoc advisor***

1. Rui Nie (Huazhong Normal University, 2017-2019)

***M.A. committee chair or M.A. paper advisor***

1. Aidina Asikaer (TESL, 2019)
2. Shuzhan Jiao (TESL, 2018)
3. Qiuwen Pu (TESL, 2017)
4. Yishan Xu (TESL, 2017)
5. Cheng Li (TESL, 2014)
6. Siyu Meng (TESL, 2014)
7. Younsu Park (TESL, 2014)
8. Eun Jung Kim (TESL, 2009)

**M.A. committee member or M.A. paper reader**

1. Ling-I Huang (TESL, 2019)
2. Kuei-Ting Chuang (TESL, 2013)
3. Quanying Du (TESL, in 2013)
4. Sheng-Hsun Lee (TESL, 2011)
5. Alyson Oshea (TESL, 2011)
6. Mandy Reinig (TESL, 2009)
7. Lu Li (TESL, 2008)
8. Linh Thuy Phung (TESL, 2008)
9. Jingyao Zhang (TESL, 2008)
10. Ting-Yu Chen (TESL, 2007)

**Visiting scholars hosted**

1. Yuanfang Hua (Tsinghua University, 2022-2023)
2. Chaowang Ren (Guangdong University of Technology, 2018-2019)
3. Chao Gao (University of International Economics and Business, 2017-2018)
4. Jinlei Deng (Fujian Normal University, 2017-2018)
5. Feng Xiao (Guangdong University of Foreign Studies, 2017)
6. Ming Wei (University of International Economics and Business, 2016-2017)
7. Lijuan Wang (Xi'an Jiaotong University, 2014-2015)
8. Chunyan Wang (Shanghai Jiao Tong University, 2013-2014)
9. Qi Xu (Chinese University of Hong Kong, 2013)

**Honors****Awards**

*Top 2% most-cited scientists in Language & Linguistics*, Updated science-wide author databases of standardized citation indicators, Stanford University, 2022, 2021, 2020, 2019

*Top 1% of peer reviewers in Social Sciences*, Publons Peer Review Awards, 2019, 2018, 2017

*Honorable Mention, 2015 Journal of Second Language Writing Best Article Award*, 2015

*Undergraduate Teaching Award*, Department of Linguistics, The Ohio State University, 2005

*National Graduate School Entrance Examination Waiver*, Nankai University, 1997

*Outstanding Graduate of the Class of 1997 (top 1%)*, Nankai University, 1997

*Outstanding Student of Nankai University*, 1994-1997

*Outstanding Student of Hunan Province*, Hunan Provincial Education Commission, China, 1993

**Fellowships and scholarships**

*Presidential Fellowship*, The Ohio State University, 2006

*Adjacent Technologies Fellowship*, The Ohio State University, 2003

*University Fellowship*, The Ohio State University, 2001-2002

*Research Scholarship*, National University of Singapore, 1999-2001

*First-Class Guanghua Scholarship*, Guanghua Education Fund, China, 1998-1999

*Baosteel National Education Scholarship*, Baosteel Education Fund, China, 1996-1997

*First-Class Nankai University Scholarship*, 1994-1997

**Travel grants**

*Student Travel Grant*, Association for Computational Linguistics, 2005

*Four Travel Grants*, Department of Linguistics, The Ohio State University, 2004-2005

*Research Scholar Travel Grant*, National University of Singapore, 2000

## Professional Service

### **Offices held in professional societies**

*Member*, International Advisory Board, China English for Academic Purposes Association (CEAPA), 2017-present

*Co-chair*, Special Interest Group in Intelligent Computer-Assisted Language Learning of the Computer Assisted Language Instruction Consortium (ICALL SIG of CALICO), 2008-2009

### **Journal editorial board membership**

Associate Editor, *Ampersand* (Elsevier), 2022-present

Associate Editor, *Frontiers in Psychology* (Frontiers), 2021-present

Editorial board member, *International Journal of Learner Corpus Research* (John Benjamins), 2021-present

Editorial board member, *Research Methods in Applied Linguistics* (Elsevier), 2021-present

Editorial board member, *Journal of English for Academic purposes* (Elsevier), 2020-present

Editorial board member, *Applied Corpus Linguistics* (Elsevier), 2020-present

Editorial board member, *International Journal of English for Academic purposes: Research and Practice* (Liverpool University Press), 2020-present

Editorial board member, *Journal of Second Language Writing* (Elsevier), 2018-present

Editorial board member, *International Journal of Computer-Assisted Language Learning and Teaching* (IGI Global), 2017-present

Editorial board member, *TEFLIN Journal* (Universitas Negeri Malang), 2017-present

Editorial board member, *The Journal of Asia TEFL* (Asian Association of Teachers of English as a Foreign Language), 2016-present

Editorial board member, *Corpus Linguistics* (Foreign Language Teaching and Research Press), 2014-present

Associate Editor, *Cogent Education* (Taylor & Francis), 2018-2019

Editor, *Cogent Education* (Taylor & Francis), 2016-2018

Article editor, *Sage Open* (Sage), 2014

Editorial board member, *The Linguistics Journal* (ELE Publishing), 2007-2009

### **Reviewing for publishers and research institutions**

*Book reviewer*, Springer, 2022, 2020, 2019, 2018

*Book proposal reviewer*, Cambridge University Press, 2022, 2021, 2017

*Book proposal reviewer*, Routledge, 2022, 2019, 2017, 2015

*Book chapter reviewer*, John Benjamins, 2021

*Book proposal reviewer*, Springer, 2020, 2019, 2017

*Cambridge Elements Series proposal reviewer*, Cambridge University Press, 2019

*Book proposal reviewer*, Peter Lang, 2019

*Book reviewer*, Routledge, 2017

*Book chapter reviewer and proofreader*, World Publishing Corporation, 2016

*Book chapter reviewer*, Thomas Riggs & Co., 2012

*Book proposal reviewer*, Palgrave Macmillan, 2011

*Book proposal reviewer*, Hodder Education Press, 2011

*Research report reviewer*, Educational Testing Service, 2011

**Reviewing for journals**

**230+ reviews completed for 48 journals since 2006**

<https://www.webofscience.com/wos/author/record/H-8515-2019>

Since	Journal names
2021	<i>English Today; Frontiers in Psychology; International Journal of English for Academic Purposes: Research and Practice; PLOS ONE</i>
2020	<i>Applied Corpus Linguistics; English for Specific Purposes; Interférences littéraires/littéraire interferences; Lingua; Research Methods in Applied Linguistics; Sustainability</i>
2019	<i>Computer Assisted Language Learning; Studies in Second Language Learning and Teaching</i>
2018	<i>Cognition and Instruction; International Journal of Computer-Assisted Language Learning and Teaching; International Journal of Learner Corpus Research; Linguistics and Education</i>
2017	<i>Assessing Writing; International Journal of Corpus Linguistics; Journal of English for Academic Purposes; Language Assessment Quarterly; Language Testing; Political Analysis; Speech Communication; TEFLIN Journal</i>
2016	<i>Australian Review of Applied Linguistics; International Journal of Artificial Intelligence in Education; Reading and Writing; Studies in Second Language Acquisition; System; The Journal of Asia TEFL</i>
2015	<i>Behavior Research Methods; Concentric: Studies in Linguistics; International Journal of Bilingualism; Language and Communication; Language Teaching Research</i>
2014	<i>Journal of Second Language Writing; ReCALL</i>
2014	<i>Review of Educational Research; The Modern Language Journal</i>
2013	<i>Language Learning; Language Sciences</i>
2012	<i>Applied Linguistics; Corpus Linguistics and Linguistic Theory</i>
2009	<i>International Journal of Applied Linguistics</i>
2008	<i>CALICO Journal; Language Resources and Evaluation</i>
2007	<i>The Linguistics Journal</i>
2006	<i>TESOL Quarterly</i>

**Reviewer of grant and award proposals**

Research Funding Department, University of Sharjah, 2022

Ministry of Science and Technology, Taiwan, 2021

Ralph E. Powe Junior Faculty Award, Oak Ridge Associated Universities, 2021, 2018

Tertiary Education Research Fund, Ministry of Education, Singapore, 2020, 2019

*Language Learning* Early Career Research Grant, 2019

Research Development Fund, Xi'an Jiaotong Liverpool University, 2017

TOEFL Committee of Examiners Research Program, Educational Testing Service, 2016

Nazarbayev University Research Council, Kazakhstan (through Oak Ridge Associated Universities), 2013

Linguistics Program, National Science Foundation, 2012

**External reviewer of tenure/promotion/appointment files**

Florida State University, 2022

Nanyang Technological University, 2022

Peking University, 2022

Zhejiang University, 2022

Georgia State University, 2022, 2016

Hong Kong Polytechnic University, 2021

Iowa State University, 2021

University of Oregon, 2021



University of Massachusetts Boston, 2020  
City University of Hong Kong, 2018  
Montclair State University, 2017  
Educational Testing Service, 2016, 2015  
Shanghai Jiao Tong University, 2015  
University of Alabama, 2014  
University of Pittsburgh, 2014  
University of North Florida, 2013  
University of Cincinnati, 2013, 2012

***External evaluator for departmental review***

*Member*, Five-year External Review Committee, Department of Linguistics, Montclair State University, 2015

***Conference organization***

*Area Co-Chair*, Linguistics and Cognitive Science, The 20th China National Conference on Computational Linguistics, 2021  
*Organizer*, Invited Colloquium on Corpus-Based Approaches to SLA, Second Language Research Forum, 2019  
*Co-chair*, Third Workshop on Natural Language Processing Techniques for Educational Applications (NLP-TEA) at COLING 2016, 2016  
*Co-sponsor*, Symposium on Alternative Approaches to SLA, 2013  
*Co-chair*, CALICO 2009 Preconference Workshop on Automatic Analysis of Learner Language, 2009  
*Co-chair*, NAACL HLT 2007 Workshop on Computational Approaches to Figurative Language, 2007  
*Co-chair*, 2nd Midwest Computational Linguistics Colloquium, 2005

***Conference program committee***

International Conference on Future Language Learning (ICFULL), 2022-2023  
Pedagogy and Practice in Technology Enhanced Language Learning (PPTTELL) Conference, 2021-2022  
Workshop on Figurative Language Processing, 2018, 2022  
Sub-Conference on Digital Technology, Innovation, and Education, Global Chinese Conference on Computers in Education (GCCCE), 2019  
Workshop on Innovative Use of NLP for Building Educational Applications (BEA), 2012-2019  
Annual Meeting of the Association for Computational Linguistics (ACL), 2018-2019, 2011-2013  
Special Track on Applied Natural Language Processing, International Florida Artificial Intelligence Research Society Conference (FLAIRS), 2008-2019  
American Association for Corpus Linguistics (AACL) Conference, 2018  
International Conference on Computational Linguistics (COLING), 2018  
Sub-Conference on Technology-Enhanced Language Learning, Global Chinese Conference on Computers in Education (GCCCE), 2015-2018  
International Florida Artificial Intelligence Research Society Conference (FLAIRS), 2014-2018  
Georgetown University Round Table in Languages and Linguistics (GURT), 2017  
COLING Workshop on Computational Linguistics for Linguistic Creativity (CL4LC), 2016  
Sub-Conference on Technology-Enhanced Language Learning, International Conference on Computers in Education (ICCE), 2016  
Workshop on Natural Language Processing Techniques for Educational Applications (NLP-TEA), 2014-2015  
Conference on Empirical Methods in Natural Language Processing (EMNLP), 2013-2015, 2005

Annual Meeting of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL HLT), 2013  
NAACL HLT Workshop on Computational Approaches to Linguistic Creativity, 2009-2010  
Conference on Computational Natural Language Learning (CoNLL), 2009

### ***Reviewing for conferences***

American Association for Applied Linguistics Conference (AAAL), 2015-2023, 2012, 2010  
Second Language Research Forum (SLRF), 2019, 2014-2015  
New Trends in Intelligent Information Processing and Web Mining (IIPWM), 2005  
International Conference on Computational Linguistics (COLING), 2004  
Conference on Natural Language Processing (TALN), 2004

### ***Committee and other service***

*Faculty advisor*, Penn State Badminton Club, PSU, 2016-present  
*Member*, Tenure and Promotion Committee, Department of Applied Linguistics, PSU, Spring 2023, 2019-2020  
*Chair*, Roundtable Committee, Department of Applied Linguistics, PSU, Spring 2023, 2012-2013  
*Member*, Global and International Studies Program Advisory Board, College of the Liberal Arts, PSU, 2017-2022  
*Faculty Champion*, Penn State – National Taiwan Normal University Partnership, Global Programs, PSU, 2019-2021  
*Placement officer*, Department of Applied Linguistics, PSU, 2018-2020  
*Chair*, Graduate Admissions Committee, Department of Applied Linguistics, PSU, 2014-2020  
*Chair*, Academic Programs Committee, Department of Applied Linguistics, PSU, 2014-2020  
*Member*, Financial Strategic Plan Steering Committee, Department of Applied Linguistics, PSU, 2018-2019  
*Judge*, The First Guangdong and Hong Kong Postgraduate Academic Forum in Foreign Languages and Literature, 2018  
*Conference Connections Senior Partner*, American Association for Applied Linguistics 2018 Conference, AAAL, 2018  
*Member*, MA Committee, Department of Applied Linguistics, PSU, 2013-2018  
*Member*, Core Planning Committee and New Directions Fellowship Working Group, NEH Next Generation Humanities PhD Planning Grant, College of the Liberal Arts, PSU, 2016-2017  
*Member*, Digital Humanities Course Development Working Group, College of the Liberal Arts, PSU, 2016-2017  
*Member*, AD14 Administrative Review Committee, Department of Applied Linguistics, PSU, 2016  
*Member*, Second Language Education Position Search Advisory Committee, Department of Curriculum and Instruction, PSU, 2015-2016  
*Member*, CALPER Web Developer Search Committee, Department of Applied Linguistics, PSU, 2015  
*Member*, IECF Director Search Committee, Department of Applied Linguistics, PSU, 2015  
*Member*, CLA Director Search Committee, Department of Applied Linguistics, PSU, 2014-2015  
*Faculty advisor*, Graduate Student Travel Committee, Department of Applied Linguistics, PSU, 2012-2013  
*Member*, Faculty Advisory Board for Teaching and Learning with Technology, College of the Liberal Arts, PSU, 2011-2012  
*Member*, Graduate Admissions Committee, Department of Applied Linguistics, PSU, 2007-2012  
*Member*, APLNG-Asian Studies Position Search Committee, Department of Applied Linguistics, PSU, 2010-2011  
*Member*, Department Head Search Committee, Department of Applied Linguistics, PSU, 2010-2011  
*Member*, Liberal Arts Caucus of Senators, College of the Liberal Arts, PSU, 2008-2011

*Senator*, University Faculty Senate, PSU, 2008-2010

*Member*, Senate Standing Committee on Faculty Benefits, PSU, 2008-2010

*Member*, Curricular Affairs Committee, College of the Liberal Arts, PSU, 2007-2010

*Member*, ESL/ITA Director Search Committee, Department of Applied Linguistics, PSU, 2008-2009

*Chair*, Awards Committee, Department of Applied Linguistics, PSU, 2006-2009

*Judge*, 2008 Undergraduate Exhibition, PSU, 2008

*Judge*, 22nd Annual Graduate Exhibition, PSU, 2007

*Judge*, 2nd Annual Chinese New Year Drama Night and Speech Contest, PSU, 2007

*Presenter*, Interdepartmental TA Preparation Workshop, Center for Language Acquisition, PSU, 2007

*Member*, The Ohio State University Working Papers in Linguistics Committee, 2003-2004

*Treasurer*, Student Linguistic Association, OSU, 2003-2004

*Member*, Travel Committee, Department of Linguistics, OSU, 2001-2003