



Alvin Cheng-Hsien Chen

Associate Professor

*“One machine can do the work of fifty ordinary men. No machine can do the work of one extraordinary man” —
Elbert Green Hubbard*

Research Interests

- Quantitative Corpus Linguistics
- Computational Linguistics
- Cognitive Linguistics
- Speech Prosody
- Language Teaching & Learning
- Digital Humanities

Academic Experiences

2021-Now **Associate Professor**, *National Taiwan Normal University*, Taipei, Taiwan.

2016-2021 **Assistant Professor**, *National Taiwan Normal University*, Taipei, Taiwan.

2013-2016 **Assistant Professor**, *National Changhua University of Education*, Changhua, Taiwan.

Education

Department of English, National Taiwan Normal University, 106, Taipei, Taiwan

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1/10

2006-2012 **Ph.D. in Computational Linguistics**, *National Taiwan University & Academia Sinica (TIGP-CLCLP)*, Taipei, Taiwan.

2003-2005 **MA in Linguistics**, *National Taiwan University*, Taipei, Taiwan.

1999-2003 **BA in English**, *National Taiwan Normal University*, Taipei, Taiwan.

Awards

2022 國立臺灣師範大學特殊優秀人才獎勵, *National Taiwan Normal University*.

2021 國立臺灣師範大學特殊優秀人才獎勵, *National Taiwan Normal University*.

2020 國立臺灣師範大學學術論文暨專書獎助, *National Taiwan Normal University*.

2013-2016 科技部延攬大專院校特殊優秀人才補助, *Taiwan Ministry of Science and Technology*.

2012-2013 **Linguistic Society of Taiwan The Best Thesis of the Year Award**, *Linguistic Society of Taiwan*.

2010-2011 **Fellowships for Doctoral Candidates in Humanities and Social Sciences**, *Academia Sinica*.

2006-2009 **Fellowships for Taiwan International Graduate Program**, *Academia Sinica*.

2005-2006 **Fellowships for Elite Studying Abroad**, *Taiwan Ministry of Education*.

Projects

Department of English, National Taiwan Normal University, 106, Taipei, Taiwan

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2/10

- 2023.08.01- **Corpus-based Distributional Properties: Uncovering Native Intu-**
 2025.07.31 **ition from Pitch Encodings in Spoken Mandarin**, *National Science and*
Technology Council, Taiwan.
- 2022.08.01- **Sentiment Beyond Words: A Constructionist Approach to Sentiment**
 2023.07.31 **Analysis**, *Ministry of Education, Taiwan.*
- 2021.09.01- **Computational Tracking and Comparison of ‘Sentiments’ in Source**
 2023.08.31 **and Translation: A Study of Grimm’s Fairy Tales. (Co-PI: Prof. Di-**
etmar Röhm and Manfred B. Sellner), *Ministry of Science and Technology,*
Taiwan.
- 2021.08.01- **Words, Multiword Sequences, and Grammar Network**, *Ministry of Sci-*
 2022.07.31 *ence and Technology, Taiwan.*
- 2019.08.01- **Phraseological Acquisition: How do L2 Learners Develop Native-Like**
 2021.07.31 **Intuition**, *Ministry of Science and Technology, Taiwan.*
- 2018.08.01- **Constituency, sequentiality, and prosody: A corpus-based analysis**
 2019.10.31 **of phraseological sequences in Mandarin spontaneous speech produc-**
tion, *Ministry of Science and Technology, Taiwan.*
- 2017.01- **Concepts in Contexts: A Corpus-based Approach to Literary Field**
 2019.07.31 **in Early Post-war Taiwan and its Application to the Sociology of**
Literature, *Ministry of Science and Technology, Taiwan.*
- 2015.08- **Conceptual symmetry in Mandarin and English spatial particles: A**
 2017.07 **quantitative corpus-based analysis of semantic commonality and di-**
vergence on different spatial dimensions, *Ministry of Science and Tech-*
nology, Taiwan.

- 2014.08- **Grammar in interaction: An empirical study on grammatical constituency in Mandarin spontaneous speech**, *Ministry of Science and Technology*, Taiwan.
- 2013.10- **Spatial metaphors and conceptual symmetry: A cross-linguistic corpus-based study on spatial particles in Mandarin and English**, *Ministry of Science and Technology*, Taiwan.
- 2013.01- **Ideology and language: A corpus of early post-war Taiwanese Writings (I & II)**, *Ministry of Science and Technology*, Taiwan.

Journal Articles

- Chen, A. C.-H. (2022). Words, constructions and corpora: Network representations of constructional semantics for mandarin space particles. *Corpus Linguistics and Linguistic Theory*, 18(2), 209–235. <https://doi.org/10.1515/c11t-2020-0012>
- Chen, A. C.-H., & Dluhošová, T. (2022). Concepts in contexts: Discourse-based semantic networks of ideologies in taiwan (1945–1949). *Asian Studies Review*. <https://doi.org/10.1080/10357823.2022.2038084>
- Huang, P.-W., & Chen, A. C.-H. (2022). Degree adverbs in spoken mandarin: A behavioral profile corpus-based approach to language alternatives. *Concentric: Studies in Linguistics*, 48(2), 285–322. <https://doi.org/10.1075/cons1.22002.che>
- Chen, A. C.-H. (2021). Acquisition of L2 collocation competence: A corpus analysis of exclusivity, directionality, dispersion and novel usage. *Taiwan Journal of TESOL*, 18(1), 29–61. [https://doi.org/10.30397/TJTESOL.202104_18\(1\).0002](https://doi.org/10.30397/TJTESOL.202104_18(1).0002)
- Chen, A. C.-H. (2021). Durational patterns of recurrent multiword combinations in Mandarin spontaneous speech production. *Language and Speech*, 64(3), 742–767. <https://doi.org/10.1177/0023830920966010>
- Chen, A. C. (2019). Assessing phraseological development in word sequences of variable lengths in second language texts using directional association measures. *Language Learning*, 69(2), 440–477. <https://doi.org/10.1111/lang.12340>
- Chen, A. C.-H., & Tseng, S.-C. (2019). Prosodic encoding in mandarin spontaneous speech: Evidence for clause-based advanced planning in language production. *Journal of Phonetics*, 76, 100912. <https://doi.org/10.1016/j.wocn.2019.100912>
- Su, H.-K., & Chen, A. C.-H. (2019). Conceptualization of CONTAINMENT in chinese: A

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4/10

- corpus-based study of the chinese space particles *lǐ*, *nèi*, and *zhōng*. *Concentric: Studies in Linguistics*, 45(2), 211–245. <https://doi.org/10.1075/cons1.00009.su>
- Chen, A. C.-H. (2016). A critical evaluation of text difficulty development in ELT textbook series: A corpus-based approach using variability neighbor clustering. *System*, 58, 64–81. <https://doi.org/10.1016/j.system.2016.03.011>
- Dluhošová, T., & Chen, A. C.-H. (2015). 台灣戰後初期文學場域重建: 數位人文方法的運用與實例分析 (reconstruction of taiwanese early post-war literary field: A case study with the use of digital humanities method). *臺灣文學學報 (Bulletin of Taiwanese Literature)*, 27, 153–190.
- Prévot, L., Tseng, S.-C., Peshkov, K., & Chen, A. C.-H. (2015). Processing units in conversation: A comparative study of french and mandarin data. *Language and Linguistics*, 16(1), 69–92.
- Chen, A. C.-H. (2014). A quantitative corpus-based approach to english spatial particles: Conceptual symmetry and its pedagogical implications. *Taiwan Journal of TESOL*, 11(1), 75–104.
- Lin, Y.-J., Sun, J. T.-S., & Chen, A. C.-H. (2012). 蒲西霍爾語軟顎化的語音對立 (non-consonantal velarization in puxi horpa). *Essays in Linguistics (語言學論叢)*, 45, 187–195.
- Chen, A. C.-H. (2010). A conceptual understanding of bodily orientation in mandarin: A quantitative corpus perspective. *Corpus Linguistics and Linguistic Theory*, 6(1), 1–28. <https://doi.org/10.1515/c11t.2010.001>
- Chen, A. C.-H. (2009). Corpus, lexicon, and construction: A quantitative corpus approach to mandarin possessive construction. *International Journal of Computational Linguistics and Chinese Language Processing*, 14(3), 305–340.

Conference Presentations

- Chen, A. C.-H. (2023). *F0-based pairwise variability index: a prosodic metric for holistic language processing*. The 20th International Congress of Phonetic Sciences (ICPHS2023), August 7-11.
- Hung, A. C.-L., Chen, A. C.-H., & Li, J.-I. (2023). *Conceptualizing constructions of space particle xià in mandarin chinese: A corpus based study*. The 12th International Corpus Linguistics Conference (CL2023), July 3-6.
- Chen, A. C.-H. (2022). *Assessing L2 learner's multifaceted collocation competence: A comparative analysis of chinese and english L2 learners' essays*. EUROCALL2022, Reykjavik, 16–19 August 2022, (Virtual Presentation).
- Chen, A. C.-H. (2021). *Network representation of constructional semantics*. International Con-

- ference of Construction Grammar (ICCG11), Antwerp, Belgium, August 18-20 (Virtual Presentation).
- Chen, A. C.-H. (2019). *Constituency, sequentiality, and prosody: A corpus-based analysis of phraseological sequences in mandarin spontaneous speech production*. 15th International Cognitive Linguistics Conference, Nishinomiya, Japan, August 6-11.
- Chen, A. C.-H. (2019). *Phraseology and prosody: Corpus-based acoustic evidence from spontaneous speech production*. 10th International Corpus Linguistics Conference (CL 2019), Cardiff, UK, July 22-26.
- Chen, A. C.-H., & Dluhošová, T. (2019). *Mapping conceptual development and ideological camps in the early post-war taiwan: Combining semantic network analysis and social network analysis perspectives*. 11th International Convention of Asian Scholars, Leiden, Netherland, July 16-19.
- Chen, A. C.-H., & Su, H.-K. (2019). *A usage-based constructionist approach to grammar: Semantic network analyses of words, constructions, and alternations*. 15th International Cognitive Linguistics Conference, Nishinomiya, Japan, August 6-11.
- Chen, A. C.-H. (2018). *Beyond two-word sequences: Assessing phraseological development in L2 texts using forward transitional probabilities*. 13th Teaching and Language Corpora Conference (TaLC-13), Cambridge, UK, July 18-21.
- Chen, A. C.-H. (2017). *Assessing text difficulty development in ELT textbooks series using n-gram language models based on BNC*. 9th International Corpus Linguistics Conference (CL2017), Birmingham, UK, July 24-28.
- Chen, A. C.-H., & Dluhošová, T. (2017). *Taiwan biographical ontology (TBIO): A working annotation scheme for biographical information extraction and its application to sociology of literature*. 8th International Conference of Digital Archives and Digital Humanities (DADH-2017), Taipei, Taiwan, Nov 29 - Dec 01.
- Chen, A. C.-H. (2016). *A quantitative corpus-based study on english prepositions: Conceptual contiguity and its pedagogical implications*. 12th Teaching and Language Corpora Conference (TaLC-12), Giessen, Germany, July 20-23.
- Chen, A. C.-H. (2015). *Applying variability neighbor clustering to textbooks evaluation: A corpus-based approach utilizing BNC word lists and readability formulas*. ROCTEFL 2015, Taipei, Taiwan, May 23-24.
- Chen, A. C.-H., & Tseng, S.-C. (2015). *Empirical evidence for grammatical constituency: Pitch variation in online spontaneous speech production*. Interactional Cognitive Linguistics Conference 2015, Newcastle, UK, July 20-25.
- Chen, H.-H., & Chen, A. C.-H. (2015). *Pedagogical fallacy in the use of near-synonyms in ELT: A case study on ask, demand, request, and require*. 2015 APLX International

- Conference on Applied Linguistics, Taipei, Taiwan, November 19-20.
- Dluhošová, T., & Chen, A. C.-H. (2015). *Digital humanities methods for reconstruction of the literary landscape in the early post-war period of taiwan*. 2015 International Conference of Digital Archives and Digital Humanities, Taipei, Taiwan, November 30-December 2.
- Dluhošová, T., & Chen, A. C.-H. (2015). *Re-constructing the literary field in early post-war taiwan literature: A quantitative study on the publication patterns of the contributors*. 12th Annual Conference of the European Association of Taiwan Studies, Jagiellonian University, Krakow, Poland, April 8-10.
- Huang, D.-H., & Chen, A. C.-H. (2015). *Profiling the sentence patterns in senior high school textbooks: A corpus-based assessment for authenticity*. 2015 APLX International Conference on Applied Linguistics, Taipei, Taiwan, November 19-20.
- Chen, A. C.-H. (2014). *Geometry and conceptual symmetry: A cross-linguistic corpus-based perspective*. Workshop in Digital Sinology and Taiwan Studies, Prague, Czech Republic.
- Chen, A. C.-H. (2014). *Geometry and conceptual symmetry: A cross-linguistic corpus-based study on spatial particles in mandarin and english*. 8th International Conference on Construction Grammar (ICCG8), Osnabrück, Germany, September 3-6.
- Chen, A. C.-H. (2014). *Measuring vocabulary levels of taiwan senior high school english textbooks and entrance exams: A corpus-based approach utilizing a BNC word list*. Asia-CALL 2014, Changhua, Taiwan, November 21-24.
- Chen, A. C.-H., & Tseng, S.-C. (2014). *Newsletter of the association of computational linguistics and chinese language processing (中華民國計算語言學會通訊)*.
- Chen, A. C.-H. (2013). *Spatial particles in english: A quantitative corpus-based approach to the conceptualization of symmetry in bodily orientation*. 27th Pacific Asia Conference on Language, Information, and Computation (PACLIC 27), Taipei, Taiwan, November 22-24.
- Prévot, L., Tseng, S.-C., Chen, A. C.-H., & Peshkov, K. (2013). *A quantitative comparative study of prosodic and discourse units: The case of french and taiwan mandarin*. 27th Pacific Asia Conference on Language, Information, and Computation (PACLIC 27), Taipei, Taiwan, November 22-24.
- Chen, A. C.-H., & Tseng, S.-C. (2012). *Conceptual planning in conversational mandarin: Pitch variation in prosodic phrasing*. 6th International Conference on Speech Prosody, Shanghai, China, May 22-25.
- Liu, Y.-F., Tseng, S.-C., Jang, J.-S. R., & Chen, A. C.-H. (2010). *Coping imbalanced prosodic unit boundary detection with linguistically-motivated prosodic features*. INTERSPEECH 2010, Makuhari, Chiba, Japan, September 26-30.
- Chen, A. C.-H. (2008). *Covarying collexemes and constructional meaning: Mandarin posses-*

sive construction. International Conference on Language, Communication and Cognition, Brighton, UK.

- Chen, A. C.-H. (2006). *Transitivity in mandarin: A realistic account of argument structure*. 14th Annual Conference of the International Association of Chinese Linguistics & 10th International Symposium on Chinese Languages and Linguistics Joint Meeting, Taipei, Taiwan, May 25-29.
- Chen, A. C.-H. (2005). *Lexicalization or grammaticalization? The development of napa in mandarin chinese*. 9th International Cognitive Linguistic Conference, Seoul, Korea, July 17-22.
- Chiu, S.-H., & Chen, A. C.-H. (2005). *Etymological reflection of grammaticalization: Conditional constructions in mandarin chinese*. 9th International Cognitive Linguistic Conference, Seoul, Korea, July 17-22.
- Chen, A. C.-H. (2004). *Conceptual metaphors: A cognitive linguistic view of english preposition teaching*. Thirteenth International Symposium and Book Fair on English Teaching, Taipei, Taiwan, November 12-14.
- Chen, A. C.-H. (2004). *From rhetorical to concessive-conditional: What's wrong with unidirectionality?* International Language and Cognition Conference, Coffs Harbor, Australia, September 10-12.
- Chen, A. C.-H. (2004). *Interrogatives in interaction: A case study of nali in mandarin*. 2004 National Conference on Linguistics, National Chung Cheng University, Taiwan, June 24-25.
- Chen, A. C.-H., & Chiang, W.-Y. (2004). *Form, function and optimality theory: The role of pragmatics in the formation of hakka tone sandhi domain*. 9th International Symposium on Chinese Languages and Linguistics, National Taiwan University, Taiwan, November 19-21.

Book Sections

- Dluhošová, T., & Chen, A. C.-H. (2016). Digital humanities methods for reconstruction of the literary fields in the early post-war period of taiwan. In H. Jie (Ed.), *Digital humanities: Between past, present, and future (the 6th book of series on digital humanities)* (pp. 127–167). Taipei, Taiwan: National Taiwan University Press.

Academic Service

- **Editor-in-chief**
 - Concentric: Studies in Linguistics (2024-2025)
- **Editorial Board Member**

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8/10

Corpus Linguistics and Linguistic Theory. 2020.01-Now

Concentric: Studies in Linguistics. 2022.01-2023.12

○ **Ad-hoc Reviews** (Journals in an Alphabetical Order)

Applied Linguistics.

Archiv orientální.

Concentric: Studies in Language.

Corpus Linguistics and Linguistic Theory.

Frontiers in Psychology Language Sciences.

International Journal of Computational Linguistics and Chinese Language Processing (IJCLCLP).

International Journal of Learner Corpus Research.

International Review of Applied Linguistics (IRAL).

Journal of Digital Archives and Digital Humanities.

Language Teaching Research.

Languages and Linguistics.

ReCALL.

Reading and Writing.

SPECTRUM.

System.

Taiwan Journal of Linguistics.

Taiwan Journal of TESOL.

The Asia-Pacific Education Researcher (TAPE).

國文學報.

外國語文研究.

華語文教學研究.

Computational Skills

- R (Fluent)
- Python (Intermediate)
- HTML (Intermediate)
- CSS (Intermediate)
- Java (Low-Intermediate)

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9/10

- Javascript (Beginner)

———— Courses

- Introduction to Programming Languages for Linguistic Analysis
- Corpus Linguistics
- Topics on Quantitative Corpus Linguistics
- Computational Linguistics
- Functional Grammar of the English Language
- Introduction to Semantics
- Language and Cognition
- Digital Humanities: Text Analytics with Programming Languages