Name	Ning, Li-Hsin
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Title	Distinguished Professor
Education	University of Illinois at Urbana-Champaign, Ph.D. in Linguistics
Research expertise	Articulatory Phonetics, Acoustic Phonetics, Psycholinguistics, Sentence Processing
Office hours	Tuesday 12:30 ~ 14:30; Thursdays 12:20 ~ 14:30
Courses taught	Advanced Writing, English Phonetics, Advanced Phonetics, Acoustic Phonetics, Quantitative Methods and R Programming, Multivariate Statistics
Experience	**Work experience** ➢ Distinguished Professor, National Taiwan Normal University, Department of English (2025.08 ~ now) ➢ Professor, National Taiwan Normal University, Department of English (2024.08 ~ 2025.07) ➢ Associate Professor, National Taiwan Normal University, Department of English (2020.02 ~ 2024.07) ➢ Assistant Professor, National Taiwan Normal University, Department of English (2015.08 ~ 2020.01) ➢ Speech Data Evaluator, Google Inc. (2014.03 ~ 2015.05) **Academic service** ➢ Associate Editor, *Phonetica* (2025.09 ~ now) ➢ Academic Editor, *PLoS One* (2023.11 ~ now) ➢ Managing Editor, *Fulbright Research & Reflections* (2020.09 ~ 2022.10) ➢ Editor in Chief, *Concentric: Studies in Linguistics* (2022.02 ~ 2024.01) ➢ Guest Editor, *Journal of Chinese Language Teaching* (2021.03 ~ 2021.12)
Publications	**Journal papers** 1. **Ning, L.-H.** & Tak-Cheung Hui. (2026). Latent patterns in pitch-shift responses: association with working memory and temporal changes in response magnitude. *Journal of Phonetics, 118.* doi: https://doi.org/10.1016/j.wocn.2026.101528 [SSCI] 2. **Ning, L.-H.** & Tak-Cheung Hui. (2026). The accompanying effect in speech: How pitch, loudness, and formants coadjust to simultaneous perturbations. *Journal of Speech, Language, and Hearing Research*, *69(2)*, 595-610. doi: https://doi.org/10.1044/2025_JSLHR-25-00501 [SSCI] 3. **Ning, L.-H.** (2025). The impact of musical expertise and directional isotropy on the proportions and magnitudes of pitch-shift responses in glissandos. *Frontiers in Psychology*, 15:1332028. doi: https://doi.org/10.3389/fpsyg.2024.1332028 [SSCI] 4. **Ning, L.-H.** & Tak-Cheung Hui. (2024). The accompanying effect in responses to auditory perturbations: Unconscious vocal adjustments to unperturbed parameters. *Journal of Speech, Language, and Hearing Research*, *67(6)*, 1731-1751. doi: https://doi.org/10.1044/2024_JSLHR-23-00543 [SSCI] 5. **Ning, L.-H.** (2022). Identifying distinct latent classes of pitch-shift response consistency: Evidence from manipulating the predictability of

shift direction. *Frontiers in Psychology,* 13:1058080. doi: https://doi.org/10.3389/fpsyg.2022.1058080 [SSCI]

6. **Ning, L.-H.** (2022). Comparison of involuntary and volitional responses to pitch-shifted auditory feedback: Evidence for tone speakers' flexibility to switch between opposing and following responses. *Journal of Speech, Language, and Hearing Research*, *65(6)*, 2160-2186. doi: https://doi.org/10.1044/2022_JSLHR-21-00597 [SSCI]

7. **Ning, L.-H.** (2022). The effect of stimulus timing in compensating for pitch perturbation on flat, rising, and falling contours. *Journal of the Acoustical Society of America*, *151*(*4*), 2530–2544. doi: https://doi.org/10.1121/10.0010237 [SCIE]

8. **Ning, L.-H.** (2020). Sensorimotor adaptation and aftereffect to frequency-altered feedback in Mandarin-speaking vocalists and non-vocalists. Concentric: Studies in Linguistics, 46(2), 125-147. doi: https://doi.org/10.1075/consl.00015.nin [THCI-CORE]

9. **Ning, L.-H.** (2019). The effects of age and pitch level on electroglottographic measures during sustained phonation. *Journal of the Acoustical Society of America, 146(1),* 640-648. doi: https://doi.org/10.1121/1.5119127 [SCIE]

10. **Ning, L.-H.** (2019). Pitch-shift responses as an online monitoring mechanism during level tone production. *Journal of the Acoustical Society of America, 145(4),* 2192-2197. doi: https://doi.org/10.1121/1.5096977 [SCIE]

11. **Ning, L.-H.** (2018). Vocal Adaptation in Perturbed Auditory Feedback for L2 Learners of Mandarin. *Journal of Chinese Language Teaching (JCLT), 15(3),* 1-20. [THCI-CORE]

12. **Ning, L.-H.,** Loucks, T. M , & Shih, C. (2018). Suppression of Vocal Responses to Auditory Perturbation with Real-time Visual Feedback. *Journal of the Acoustical Society of America, 143(6),* 3698-3705. doi: https://doi.org/10.1121/1.5043383 [SCIE]

13. **Ning, L.-H.**, Loucks, T. M , & Shih, C. (2015). The effects of language learning and vocal training on sensorimotor control of lexical tone**.** *Journal of Phonetics*, *51*, 50-69. doi: https://doi.org/10.1016/j.wocn.2014.12.003 [SSCI]

14. **Ning, L.-H.**, Shih, C., & Loucks, T. M. (2014). Mandarin tone learning in L2 adults: A test of perceptual and sensorimotor contributions. *Speech Communication*, *63-64C,* 55-69. doi: http://dx.doi.org/10.1016/j.specom.2014.05.001 [SCIE]

Academic book(s)/Book chapters

1. **Ning, L.-H.** (2021). The effects of text and leadership on the choice of question types in quality talk. In C.-C. Chen and M.-L. Lo (Ed.), *The Theory and Practice of Group Discussion with Quality Talk*. (pp. 79-93). Singapore: Springer. ISBN 978-981-16-1408-8.

2. Chang, M.-H. & **Ning, L.-H**.* (2021). The use of English in linguistics classes. In L.-W. Sue, H. Cheung, and R. W. Wu (Ed.), Rethinking EMI: Multidisciplinary Perspectives from Chinese-Speaking Regions (pp. 97-123). London: Routledge. ebook ISBN 9780429352362. doi:10.4324/9780429352362-6 [*corresponding author]

3. Loucks, T. M., & **Ning, L.-H.** (2018). Neuroanatomy. In B. Rousseau & R. Branski (Eds.), *Anatomy and Physiology of Speech and Hearing*. New York, New York: Thieme Medical Publishers. ISBN 978-1-62623-337-9.

Conference proceedings (Peer-reviewed)

1. **Ning, L.-H.** (2023). Responses to auditory perturbation involve a mix of opposing and following responses in steady vowels and glissandos. In: Radek Skarnitzl & Jan Volín (Eds.), *Proceedings of the 20th International Congress of Phonetic Sciences* (pp. 893–897). Guarant International.

2. **Ning, L.-H.** (2020). Musical memory and pitch discrimination abilities as correlates of vocal pitch control for speakers with different tone and musical experiences. *Proceedings of the International Conference on Speech Prosody 2020*, 611-615, DOI: 10.21437/SpeechProsody.2020-125. [Scopus]

3. **Ning, L.-H.** (2019). High level tone is special: Vocal responses to pitch perturbation in Cantonese. In S. Calhoun, P. Escudero, M. Tabain & P. Warren (Eds.), *Proceedings of the 19th International Congress of Phonetic Sciences, Melbourne, Australia 2019* (pp. 182-185). Canberra, Australia: Australasian Speech Science and Technology Association Inc. ISBN 978-0-646-80069-1.

4. **Ning, L.-H.** and Shih, C. (2012). Prosodic effects on garden-path sentences. *Proceedings of the 6thInternational Conference on Speech Prosody 2012, Shanghai, China:* Tongji University Press, *pp.282-285.* ISBN 978-7-5608-4869-3.

Conference papers

1. **Ning, L.-H.** (2026). Beyond practice: How working memory training shapes speech motor adaptation. *The Japanese Society for Language Sciences 27th Annual International Conference (JSLS2026)*, Tokyo, Japan, September 19-20, 2026.

2. **Ning, L.-H.** (2025). Exploring the link between working memory capabilities and susceptibility to auditory perturbations. *The Japanese Society for Language Sciences 26th Annual International Conference (JSLS2025)*, Matsuyama, Japan, July 12-13, 2025.

3. **Ning, L.-H.** (2024). Decoupling perceptual acuity and production magnitude in online sensorimotor control. *The Japanese Society for Language Sciences 25th Annual International Conference (JSLS2024)*, Shizuoka, Japan, July 12-14, 2024.

4. Zeng, Y.-Z.* & **Li-Hsin Ning**. (2024). An acoustic and ultrasound study revealing why Mandarin speakers struggle with English vowel sounds. *The*

19th Conference on Laboratory Phonology (*LabPhon 19*), Seoul, Korea. June 27-29, 2024.

5. **Ning, L.-H.** (2023). Following responses are not a minority in the responses to auditory perturbation: Evidence from musicians and non-musicians. The Japanese Society for Language Sciences 24th Annual International Conference (JSLS2023), Tokyo, Japan, July 7-8, 2023.

6. **Ning, L.-H.** (2020). Using ultrasound imaging to investigate top-down prediction effect on speech motor planning. *Acoustics Virtually Everywhere (The 179th Meeting of the Acoustical Society of America)*, USA, December 7-11, 2020.

7. **Ning, L.-H.** (2018). Sensorimotor Adaptation of Speech: A Study of Online Recalibration of Vocal Pitch. *The Japanese Society for Language Sciences 20th Annual International Conference (JSLS2018)*, Tokyo, Japan, August 2-3, 2018.

8. **Ning, L.-H.** (2017). *Sensorimotor Adaptation and Compensation of Speech.* International Workshop on Advanced Learning Sciences (IWALS), Taipei, Taiwan, July 7-10, 2017.

9. **Ning, L.-H.** (2017). *The internal models of pitch in tone speakers and adult second language learners: Evidence from sensorimotor responses in the pitch-shift paradigm.* International Conference on Speech Language Pathology, Las Vegas, Nevada, USA, May 22-23, 2017.

10. **Ning, L.-H.**, Loucks, T. M., & Shih, C. (2015).*Visual feedback facilitates suppression of the pitch-shift response.* The Midwest Speech and Language Days, Toyota Technological Institute, Chicago, USA, May 7-8, 2015.

11. **Ning, L.-H.**, Shih, C., Loucks, T. M. (2014). *Language-dependent internal models for tones: Evidence from sensorimotor responses*. The 22nd Annual Conference of the IACL & the 26th North American Conference on Chinese Linguistics. University of Maryland, Maryland, May 2-4, 2014.

12. **Ning, L.-H.**, Shih, C., Loucks, T. M. (2014). *Mandarin Tone Learning: the Effect of Sensorimotor Feedback*. The 2014 International Conference on Applied Linguistics & Language Teaching. Taipei, Taiwan, April 17-19, 2014.

13. **Ning, L.-H.**, & Terkourafi, M. (2014). *Generating implicatures from English NPs of the form a/an X: Generalized or local?* The 27th Annual CUNY Conference on Human Sentence Processing. Ohio State University, Ohio, USA, March 13-15, 2014.

14. **Ning, L.-H.**, Christianson, K., Lin, C.-J. (2014). *Processing resumptives in Mandarin relative clauses: An eye-tracking study.* The 27th Annual CUNY

Conference on Human Sentence Processing. Ohio State University, Ohio, USA, March 13-15, 2014.

15. **Ning, L.-H.**, Christianson, K., Lin, C.-J. (2014). *Eye-tracking evidence for the role of linear distance and structural distance in processing resumptives in Mandarin relative clauses*. The 2nd East Asian Psycholinguistics Colloquium (EAPC2). University of Chicago, Illinois, USA, March 8, 2014.

16. Shosted, R., Hermes, Z. A., Fu, M., **Ning, L.-H.**, Liang, Z.-P., & Sutton, B. (2013). *Articulating emphasis in Gulf and Levantine Arabic: A rt-MRI approach*. Experimental Arabic Linguistics Conference (EXAL-2013). United Arab Emirates University, Al Ain, UAE, 6-7 November 2013.

17. **Ning, L.-H.**, & Terkourafi, M. (2013). *Experimental Pragmatics in Generating Implicatures from Indefinite Noun Phrases.* The 13th International Pragmatics Conference (IPrA), New Delhi, India, September 8-13, 2013.

18. **Ning, L.-H.**, Loucks, T. M., & Shih, C. (2013). *Auditory Influences on Second Language Learning: Tone Discrimination Interacts with Audiovocal Responses.* The 19th International Congress of Linguistics (ICL), University of Geneva, Geneva, Switzerland, July 21-27, 2013.

19. **Ning, L.-H.**, Wu, D., Shosted, R., Fu, M., Liang, Z.-P., & Sutton, B. (2013). *Tongue shape of Mandarin "retroflex" consonants: Real-time Magnetic Resonance Imaging data.* The Midwest Speech and Language Days, Toyota Technological Institute, Chicago, USA, May 2-3, 2013.

20. **Ning, L.-H.**, Loucks, T. M., & Shih, C. (2013). *Linguistically specific sensorimotor responses in second language learning.* The Midwest Speech and Language Days, Toyota Technological Institute, Chicago, USA, May 2-3, 2013.

21. **Ning, L.-H.**, Huang, H.-W., & Federmeier, K. D. (2013). *Hemispheric asymmetry in imagery processing that links to language: An Event-Related Potential study*. The 2013 Cognitive Neuroscience Society (CNS) Annual Meeting, San Francisco, CA, USA, April 13-16, 2013.

22. Shosted, R., Fu, M.-J., **Ning, L.-H.**, Benmamoun, A., Liang, Z.-P., & Sutton, B. (2012). *An MRI study of gutturals and glottalics in Arabic and Tigrinya*. Illinois Symposium on Semitic Linguistics (ISSL), University of Illinois at Urbana-Champaign, IL, USA, Nov 3, 2012.

23. **Ning, L.-H.**, Loucks, T. M., & Shih, C. (2012). *Potential Roles for Audiomotor Integration and Tone Discrimination in Learning Mandarin Phonetic Contrasts.* Illinois Speech Day 2012, Toyota Technological Institute at Chicago, IL, USA, May 7, 2012.

24. **Ning, L.-H.** (2011). *Prosody in disambiguating Mandarin garden-path sentences.* The 17th Mid-Continental Conference on Phonetics & Phonology (Mid-Phon 17), University of Illinois at Urbana-Champaign, IL, USA, October 21-23, 2011.

25. **Ning, L.-H.**, & Lin, C.-J. (2008). *Resumptives in Mandarin: Syntactic versus processing accounts.* The 18th International Congress of Linguistics (CIL18), Korea University, Seoul, Korea, July 21-26, 2008.

26. **Ning, L.-H.**, & Lin, C.-J. (2007). *Grammatical and processing motivations for resumptives in Mandarin relative clauses*. The 12th International Conference on the Processing of East Asia Related Languages (PEARL2007), National Cheng-Kung University, Tainan, Taiwan, December 28-29, 2007.

27. Chang, T.-T., **Ning, L.-H.**, Lee, J.-R., Huang, D.-L., & Tzeng, J.-L. (2007). *Visual word recognition of English as foreign language learners: Word length effect in native Chinese readers*. The 12th International Conference on the Processing of East Asia Related Languages (PEARL2007), National Cheng-Kung University, Tainan, Taiwan, December 28-29, 2007.

28. **Ning, L.-H.**, & Lin, C.-J. (2007). *What are resumptives good for?* The International Conference on Processing Head-Final Structures, Rochester Institute of Technology, Rochester, NY, USA, September 21-22, 2007.

Research grants

★ **2026.8 ~ 2028.7** From vowels to sentences: Tracing the retention and transfer of speech sensorimotor learning in real linguistic contexts
★ **2023.8 ~ 2026.7** Contributions of working memory and auditory memory to auditory-motor integration and building sound representations
★ **2021.8 ~ 2023.7** Speech motor control of pitch, loudness, and timbre accompanied by unconscious vocal responses to unperturbed parameters
★ **2019.8 ~ 2021.7** Perceptual judgment and statistical classification of emotion in story-telling text and speech: Using narrative text, acoustic signals, and electroglottographic signals
★ **2018.8 ~ 2020.1** Effect of top-down prediction on speech motor activation using ultrasound imaging
★ **2017.8 ~ 2018.10** An acoustic and electroglottographic study of aging effect on vocal stability
★ **2016.1 ~ 2017.6** Adaptive auditory feedback control of vocal pitch in L2 tone learners and musicians

Personal website

https://sites.google.com/view/lihsin-ning/home

On-campus Honors/Awards

Year	Honors/Awards
2026	National Science and Technology Council (NSTC) Award for Excellence in Research

	2025	National Science and Technology Council (NSTC) Award for Excellence in Research
	2024	National Science and Technology Council (NSTC) Award for Excellence in Research
	2023	NTNU grant for journal paper and book publishing
	2023	National Science and Technology Council (NSTC) Award for Excellence in Research
	2022	National Science and Technology Council (NSTC) Award for Excellence in Research
	2021	Ministry of Science and Technology (MOST) Award for Excellence in Research
	2020	Ministry of Science and Technology (MOST) Award for Excellence in Research
	2019	NTNU grant for journal paper and book publishing
	2018	Center for Teaching and Learning Development at NTNU, National Taiwan Normal University Best Teaching Awards
Off-campus Honors/Awards	**Year**	**Honors/Awards**
	2024	The NSTC Ta-You Wu Memorial Award
	2013	School of Literatures, Cultures and Linguistics at UIUC, Dissertation Completion Fellowship
	2012	Beckman Institute at UIUC, Cognitive Science/Artificial Intelligence Award
	2009	Foundation for Scholarly Exchange (Fulbright Taiwan), Fulbright Graduate Study Grants
	2008	Linguistic Society of Taiwan (LST), 2008 MA Thesis Award, second place