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## ACADEMIC APPOINTMENTS

### *August 2013 – Present: University of Pennsylvania*

2020 – present	Associate Professor (with tenure), Department of Linguistics
2013 – present	Director, Penn Phonetics Laboratory
2025 – present	Affiliated Faculty, Penn AI initiative
2017 – present	Affiliated Faculty, MindCORE Initiative
2013 – present	Affiliated Faculty, Center for East Asian Studies
2013 – 2020	Assistant Professor, Department of Linguistics
2013 – 2016	Affiliated Faculty, Institute of Research in Cognitive Science

## EDUCATION

2013	Ph.D. in Linguistics, University of California, Los Angeles
2011	M.A. in Linguistics University of California, Los Angeles
2008	M.A. in Linguistics, Peking University, China
2005	B.A. in Linguistics, Peking University, China

## SELECTED ACADEMIC SERVICE

2026	General Chair, Speech Prosody 2026
2021- present	Associate editor, <i>Journal of Acoustical Society of America</i>
2023	Special session organizer and co-chair, 20 <sup>th</sup> International Congress of Phonetic Sciences (ICPhS)
2021-2022	Organizing committee, Laboratory Phonology 18
2022	Special session organizer and co-chair, Speech Prosody 2022
2017–2018	Graduate Student Professional Development Workshop Series, University of Pennsylvania
2014 – 2018	Constituency member of Faculty Senate Executive Committee, University of Pennsylvania
2014 – 2018	member of the University Council, University of Pennsylvania

## PUBLICATIONS

- 2026        **Kuang, Jianjing** & Ethan Yang, Kevin Li, Evaluating prosodic encoding of information structure by generative speech AI, *Speech Prosody 2026*
- 2026        Chan, Cedric & **Jianjing Kuang**, Toward Objective Prosody Evaluation in TTS: A Linguistically Motivated Approach, *Computer Speech Language (arXiv preprint arXiv:2511.02104.)*
- 2025        Chan, May Pik Yu, and **Jianjing Kuang**. "Principal component analysis of the interaction between spectral band power and pitch in classical singing voices." *The Journal of the Acoustical Society of America* 158.6 (2025): 4395-4405.
- 2025        Govindan, Aparna, Adina Singer, Lily Zekavat, Tianyi Jia, Kevin Wong, **Jianjing Kuang**, Maura K. Cosetti, and Tiffany P. Hwa. "Clinician Perspectives on the Management of Hearing Loss in Patients With Limited English Proficiency." *Otolaryngology–Head and Neck Surgery*, pp 1231-1241
- 2024        Chan, May & **Jianjing Kuang**, Pitch-driven adjustments in tongue positions: Insights from ultrasound imaging. In *Proc. Interspeech 2024*, pp. 3150-3154. 2024.
- 2024        Heuser, Annika & **Jianjing Kuang**, Information-theoretic hypothesis generation of relative cue weighting for the voicing contrast. In *Proc. Interspeech 2024*, pp. 3585-3589.
- 2024        Lee, Jonathan & Ka Fai Yip & Mark Liberman & **Jianjing Kuang**, Some prosodic consequences of varied discourse functions in a Cantonese sentence-final particle, *Speech Prosody 2024*, pp51
- 2024        Chan, Cedric, & **Jianjing Kuang**, Exploring the accuracy of prosodic encodings in state-of-the-art text-to-speech models. In *Proc. Speech Prosody 2024* (pp. 27-31). 2023
- Li, Aini & Wei Lai & **Jianjing Kuang**, Creaky voice identification in Mandarin: the effects of pitch range, prosodic position, creak locality and tone, *he Journal of the Acoustical Society of America* 154.1 (2023): 126-140
- 2023        **Kuang, Jianjing** & May Pik Yu Chan & Nari Rhee, Tonal coarticulation as a cue for the upcoming prosodic boundaries, *Interspeech*

- 2023 **Kuang, Jianjing** & May Pik Yu Chan & Nari Rhee, Boundary perception as interplay by acoustic cues, syntactic constituency, and prominence, *International Congress of Phonetic Sciences*
- 2023 Chan, May Pik Yu & **Jianjing Kuang**, Spectral cues in pitch perception in English and Cantonese speech and music, *International Congress of Phonetic Sciences*
- 2023 Chan, May Pik Yu & **Jianjing Kuang**, The Acoustics of Vowel Harmony in Sakha, *International Congress of Phonetic Sciences*
- 2023 Chan, May Pik Yu & **Jianjing Kuang**, Spectral cue integration in pitch perception by Cantonese listeners, *Journal of the Acoustical Society of America*
- 2023 Jia, Tianyi & Arnav Shah & Christopher Z. Wen & Natalie Riebe & James G. Naples & **Jianjing Kuang** & Tiffany P. Hwa, Cochlear Implant Outcomes in the Chinese-Speaking Adult Population: A Systematic Review and Meta-Analysis, *Otology & Neurotology*
- 2023 Keating, Patricia & **Jianjing Kuang** & Marc Garellek & Christina Esposito & Sameer ud Dowla Khan, A cross-language acoustic space for phonation distinctions, *Language*
- 2022 **Kuang, Jianjing** & May Pik Yu Chan & Nari Rhee & Mark Liberman & Hongwei Ding, The mapping between syntactic and prosodic phasing in in English and Mandarin. *Proceedings of Interspeech 2022*, 3443-3447.
- 2022 Gao, Xin & **Jianjing Kuang**, Phonation variation as a function of checked syllables and prosodic boundaries, *Languages*, 7:171.
- 2022 **Kuang, Jianjing** & May Pik Yu Chan & Nari Rhee, The effects of syntactic and acoustic cues on the perception of prosodic boundaries, *Proceedings of Speech Prosody*, 2022, 699-703.
- 2022 Rhee, Nari & **Jianjing Kuang** & Aoju Chen, The effect of musicality on the development of Mandarin prosody, *Proceedings of Speech Prosody*, 2022, 704-707.
- 2022 Li, Aini & Wei Lai & **Jianjing Kuang**, How do listeners identify creak? The effects of pitch range, prosodic position and creak locality in Mandarin, *Proceedings of Speech Prosody*, 2022, 480-484.
- 2022 Rhee, Nari, Aoju Chen & **Jianjing Kuang**, Musicality and age interaction in tone development, *Frontiers in Neuroscience*, 16:804042.

- 2021 Rhee, Nari & Aoju Chen & **Jianjing Kuang**, Going beyond F0: The acquisition of Mandarin tones. *Journal of child language*, 48(2), 387-398.
- 2020 Cui, Ping & **Jianjing Kuang**, Pitch Declination and Final Lowering in Northeastern Mandarin. *Proceedings of Speech Prosody 2020*, 1928-1932.
- 2020 Rhee, Nari & **Jianjing Kuang**, The Different Enhancement Roles of Covarying Cues in Thai and Mandarin Tones. *Proceedings of Speech Prosody 2020*, 2407-2411.
- 2020 Lai, Wei & **Jianjing Kuang**, The Effect of Speaker Gender on Cantonese Tone Perception, *Journal of the Acoustical Society of America* 147(6), 4119-4132.
- 2020 Tian, Jia & **Jianjing Kuang**, The phonetic realization of contrastive focus in Shanghainese, *Proceedings of Speech Prosody 2020*, 265-269.
- 2020 Cui, Ping, **Jianjing Kuang** & Yunjia Wang, The Effect of Focus and Prosodic Boundary on the Two T3 sandhi in Northeastern Mandarin, *Proceedings of Speech Prosody 2020*, 255-259.
- 2019 Cui, Aletheia & **Jianjing Kuang**, The Effects of Musicality and Language Background on Cue integration in Pitch Perception, *Journal of the Acoustical Society of America* 146(6), 4086-4096.
- 2019 **Kuang, Jianjing** & Jia Tian & Bing'er Jiang, The Effect of Vocal Effort on Contrastive Voice Quality in Shaoxing Wu, *Journal of the Acoustical Society of America*, 146(3): EL272.
- 2019 Tian, Jia & **Jianjing Kuang**, The Phonetic Properties of the Non-modal Phonation in Shanghainese, *Journal of the International Phonetic Association* 51.2 (2021): 202-228.
- 2019 **Kuang, Jianjing**, Contextual Variation of Glottalic Stops in Q'anjob'al. *Proceedings of 19th International Congress of Phonetic Sciences*, 1114-1118.
- 2019 Rhee, Nari & Aoju Chen & **Jianjing Kuang**, Integration of Spectral Cues in the Development of Mandarin Tone Production. *Proceedings of 19th International Congress of Phonetic Sciences*, 3135-3139.
- 2019 Cui, Aletheia & **Jianjing Kuang**, The Effect of Musicality on Cue Selection in Pitch Perception by English and Mandarin Speakers. *Proceedings of 19th International Congress of Phonetic Sciences*, 527-531.

- 2019 **Kuang, Jianjing** & Jia Tian, Tone Representation and Tone Processing in Shanghainese. *Proceedings of 19th International Congress of Phonetic Sciences*, 1977-1981.
- 2019 Tian, Jia & Yipei Zhou & **Jianjing Kuang**, Cross-linguistic Variation in the Phonetic Realization of Breathy Voice. *Proceedings of 19th International Congress of Phonetic Sciences*, 1450-1454.
- 2018 **Kuang, Jianjing** & Mark Liberman, Integrating Voice Quality Cues in the Pitch Perception of Speech and Non-speech Utterances. *Frontiers in Psychology*, 9:2147.
- 2018 **Kuang, Jianjing** & Aletheia Cui, Relative Cue Weighting in Production and Perception of an Ongoing Sound Change in Southern Yi. *Journal of Phonetics*, 71:194-214
- 2018 **Kuang, Jianjing**, The Influence of Tonal Categories and Prosodic Boundaries on the Creakiness in Mandarin, *Journal of the Acoustical Society of America*, 143(6): EL509-515.
- 2018 **Kuang, Jianjing** & Jia Tian & Yipei Zhou, The Common Word Prosody in Northern Wu, *Proceeding of Tonal Aspects of Languages 2018*, 7-11
- 2017 **Kuang, Jianjing**, The Co-variation between Pitch and Phonation: the Case of Mandarin Creaky Voice, *Journal of the Acoustical Society of America*, 142(3):1693-1706.
- 2017 **Kuang, Jianjing**, Creaky Voice as a Function of Tonal Categories and Prosodic Boundaries, *Proceedings of INTERSPEECH 2017*, 3216-3220
- 2016 Garellek, Marc & Amanda Ritchart & **Jianjing Kuang**, Breathy Voice as Enhancement of Nasality: a Cross-linguistic Articulatory Study, *Journal of Phonetics* 59, 110-121
- 2016 **Kuang, Jianjing** & Mark Liberman, Pitch-range Perception: the Dynamic Interaction between Voice Quality and Fundamental Frequency, *Proceedings of INTERSPEECH 2016*, 1350-1354
- 2016 **Kuang, Jianjing** & Yixuan Guo & Mark Liberman, Voice Quality as a Pitch-range Indicator, *Proceedings of Speech prosody 2016*, 1061-1065
- 2016 Lai, Wei and **Jianjing Kuang**, Prosodic Grouping in Chinese Trisyllabic Structures by Multiple Cues – Tonal Coarticulation, Tone Sandhi and Segment Duration, *Proceedings of Tonal Aspects of Languages 2016*, 157-161

- 2016 Tian, Jia & **Jianjing Kuang**, Revisiting Tonal Registers of Shanghainese, *Proceedings of Tonal Aspects of Languages 2016*, 147-151
- 2016 **Kuang, Jianjing** & Mark Liberman, The Effect of Vocal Fry on Pitch Perception, *Proceedings of 2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 5260 - 5264
- 2015 **Kuang, Jianjing** & Mark Liberman, The Effect of Spectral Cues on Pitch Perception, *Proceedings of INTERSPEECH 2015*, 354-358
- 2015 **Kuang, Jianjing** & Mark Liberman, Influence of Spectral Cues on the Perception of Pitch Height, *Proceedings of the 18th International Congress of Phonetic Sciences*, page number 0435:1-5
- 2014 **Kuang, Jianjing** & Patricia Keating, Vocal Fold Vibratory Patterns in Tense vs. Lax Phonation Contrasts. *Journal of the Acoustical Society of America*, 136(5): 2784-2797
- 2014 Wang, Ting & Hongwei Ding & **Jianjing Kuang** & Qiuwu Ma, 2014, Mapping Emotions into Acoustic Space: the Role of Voice Quality, *Proceedings of INTERSPEECH 2014*, 1978-1982
- 2013 **Kuang, Jianjing**, The Tonal Space of Contrastive Five Level Tones, *Phonetica* 70 (1-2), 1-23.
- 2012 **Kuang, Jianjing** & Patricia Keating, Glottal Articulations of Phonation Contrasts and Their Acoustic and Perceptual Consequences, *UCLA Working Papers in Phonetics (111)*, 123-161.
- 2012 **Kuang, Jianjing**, Registers in Tonal Contrasts, *Proceedings of the Third International Symposium on Tonal Aspects of Languages 2012*, 01-03
- 2012 **Kuang, Jianjing**, Phonation Contrast in Two Register Contrast Languages and Its Influence on Vowel and Tone, *Proceedings of the 17th International Congress of Phonetics Sciences*, 1146-1149.
- 2011 **Kuang, Jianjing**, Production and Perception Maps of Multidimensional Register Contrast in Yi, *UCLA Working Papers in Phonetics (109)*, 1-30.
- 2011 Keating Patricia, **Jianjing Kuang**, et al., Phonation Contrasts across Languages, *Proceedings of the 17th International Congress of Phonetics Sciences*, 1046-1049.
- 2010 **Kuang, Jianjing**, Prosodic Grouping and Relative Clause Disambiguation in Mandarin, *Proceedings of INTERSPEECH 2010*, 1748-1751.

- 2010 Keating, Patricia, **Jianjing Kuang**, et al. 2010, Phonation Contrasts across Languages, *UCLA Working Papers in Phonetics* (108), 188-202.
- 2006 **Kuang, Jianjing** & Hongjun Wang, T3 Sandhi at the Boundaries of Different Prosodic Hierarchies, (in Chinese), *Journal of Chinese phonetics*, Volume1, 125-131,
- 2005 **Kuang, Jianjing**, The Musical Mechanism of Chinese Tone, (in Chinese), “*yuyanxue luncong*”( *Journal of Linguistics*), Volume 32, 224-243, Beijing: the Commercial Press.

## **FIELDWORK LANGUAGES**

Mande: Kono

Turkic: Sakha/Yakut; Uzbek

Mayan: Q'anjob'al, Q'ich'e

Niger-Congo: Yoruba; Zulu

Hmong-Mien: Black Miao (Hmu)

Sino-Tibetan: Southern Yi, Hani, Bo; Chinese varieties including minority Mandarin varieties, Cantonese varieties, and Wu varieties

## **PROFESSIONAL MEMBERSHIP**

International Speech Communication Association; Acoustical Society of America; Linguistic Society of America; International Phonetic Association; Association for Laboratory Phonology; IEEE.