

Peer Reviewed Articles

Chan-Jan Hsu, Yi-Chang Chen, Feng-Ting Liao, Pei-Chen Ho, Yu-Hsiang Wang, Po-Chun Hsu, and Da-shan Shiu, “Let’s fuse step by step: A generative fusion decoding algorithm with llms for multi-modal text recognition,” *AAAI*, 2025, Under Review (Score: 7,7,4) ([pdf](#), [code](#))

Chan-Jan Hsu, Mu-Xi Chen, Yi-Chang Chen, and Da shan Shiu, “Efficient any-to-any late fusion implementation of generative fusion decoding,” *AAAI OSAI4MU*, 2025, Under Review

Chan-Jan Hsu, Yi-Cheng Lin, Chia-Chun Lin, Wei-Chih Chen, Ho Lam Chung, Chen-An Li, Ming-Ji Lee, Chien-Cheng Chen, Ru-Heng Huang, Hung-Yi Lee, and Da-Shan Shiu, “Breezyvoice: Adapting tts for taiwanese mandarin with enhanced polyphone disambiguation — challenges and insights,” *NAACL Industry*, 2025, Under Review

Cheng-Wei Lin, Wan-Hsuan Hsieh, Kai-Xin Guan, **Chan-Jan Hsu**, Chia-Chen Kuo, Chuan-Lin Lai, Chung-Wei Chung, Ming-Jen Wang, and Da-Shan Shiu, “Fineweb-zhtw: Scalable curation of traditional chinese text data from the web,” *ROCLING*, 2024 ([pdf](#))

Feng-Ting Liao, Yung-Chieh Chan, Yi-Chang Chen, **Chan-Jan Hsu**, and Da-shan Shiu, “Zero-shot domain-sensitive speech recognition with prompt-conditioning fine-tuning,” in *2023 IEEE Automatic Speech Recognition and Understanding Workshop (ASRU)*. IEEE, 2023, pp. 1–8

Chan-Jan Hsu, Ho-Lam Chung, Hung-yi Lee, and Yu Tsao, “T5lephone: Bridging speech and text self-supervised models for spoken language understanding via phoneme level t5,” in *ICASSP 2023-2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. IEEE, 2023, pp. 1–5 ([pdf](#))

Jiatong Shi, **Chan-Jan Hsu**, Holam Chung, Dongji Gao, Paola Garcia, Shinji Watanabe, Ann Lee, and Hung-yi Lee, “Bridging speech and textual pre-trained models with unsupervised asr,” in *ICASSP 2023-2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. IEEE, 2023, pp. 1–5

Chan-Jan Hsu, Hung-Yi Lee, and Yu Tsao, “Xdbert: Distilling visual information to bert from cross-modal systems to improve language understanding,” in *Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers)*, 2022, pp. 479–489 ([pdf](#))

Guan-Ting Lin ¹, **Chan-Jan Hsu**¹, Da-Rong Liu, Hung-Yi Lee, and Yu Tsao, “Analyzing the robustness of unsupervised speech recognition,” in *ICASSP 2022-2022 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. IEEE, 2022, pp. 8202–8206 ([pdf](#))

Technical Reports

Chih-Kai Yang, Yu-Kuan Fu, Chen-An Li, Yi-Cheng Lin, Yu-Xiang Lin, Wei-Chih Chen, Ho Lam Chung, Chun-Yi Kuan, Wei-Ping Huang, Ke-Han Lu, **Chan-Jan Hsu**, et al., “Building a taiwanese mandarin spoken language model: A first attempt,” *arXiv preprint arXiv:2411.07111*, 2024

Chan-Jan Hsu, Chang-Le Liu, Feng-Ting Liao, Po-Chun Hsu, Yi-Chang Chen, and Da-Shan Shiu, “Breeze-7b technical report,” *arXiv preprint arXiv:2403.02712*, 2024 ([pdf](#), [NEWS](#), [GitHub](#), [HuggingFace](#))

Chan-Jan Hsu, Chang-Le Liu, Feng-Ting Liao, Po-Chun Hsu, Yi-Chang Chen, and Da-shan Shiu, “Advancing the evaluation of traditional chinese language models: Towards a comprehensive benchmark suite,” *arXiv preprint arXiv:2309.08448*, 2023 ([pdf](#), [HuggingFace](#))

Philipp Ennen, Po-Chun Hsu, **Chan-Jan Hsu**, Chang-Le Liu, Yen-Chen Wu, Yin-Hsiang Liao, Chin-Tung Lin, Da-Shan Shiu, and Wei-Yun Ma, “Extending the pre-training of bloom for improved support of traditional chinese: Models, methods and results,” *arXiv preprint arXiv:2303.04715*, 2023 ([pdf](#), [HuggingFace](#))

Master’s Thesis

Chan-Jan Hsu, “Enhancing self-supervised learning with multimodal information,” *National Taiwan University Master’s Thesis*, vol. 2022, pp. 1–78, 2022

¹Equal Contribution