

Huang-Cheng Chou

huangchengchou@gmail.com | +1-412-291-0103 | Los Angeles, CA

Github | Google Scholar | Website

SUMMARY

Speech / multimodal ML researcher for voice assistants: ASR, speech emotion recognition (SER), speech LLMs, multilingual speech, and fairness & robustness. Amazon Alexa Applied Scientist Intern (unified ASR + multi-label SER on Whisper). Ph.D. (NTHU) + NSTC Postdoctoral Fellow @ USC SAIL; first author at INTERSPEECH, ICASSP, SLT, IEEE TAFEC; co-led EMO-SUPERB. Full publications in Appendix (from p. 3).

TECHNICAL SKILLS

- **Speech:** ASR, SER / paralinguistics, speaker verification, speech LLMs, expressive TTS evaluation, codecs, KWS, multilingual / low-resource speech
- **ML:** PyTorch, TensorFlow, HuggingFace, Whisper fine-tuning, SSL speech models, model compression (FLOPs / MACs / params), calibration, fairness
- **Systems:** Python, C++, MATLAB, SQL, Git, Linux, AWS / S3; large speech data pipelines; EMO-SUPERB, NNIME, MSP-Podcast

EXPERIENCE

University of Southern California – SAIL Lab

Los Angeles, CA

Postdoctoral Scholar (NSTC Fellow); Advisor: Prof. Shrikanth Narayanan

Oct. 2025 – Present

- Speech AI for conversational systems: SER with speech LLMs, cross-lingual speaker verification, non-verbal vocalizations, and dyadic clinical speech.
- Mentor students on speech understanding and evaluation benchmarks through publication.

Independent Researcher (collab. with NTU SPML Lab)

Taipei, Taiwan

Part-time / weekends with Prof. Hung-yi Lee's group; concurrent with mandatory service

Oct. 2024 – Oct. 2025

- While completing Taiwan mandatory service (Oct. 2024 – Sep. 2025), conducted weekend research with SPML Lab, resulting in multiple peer-reviewed papers on SER fairness, instruction-TTS evaluation (ICASSP 2026), TaigiSpeech, and DeSTA2.5-Audio (IEEE TASLP); mentored juniors through publication.
- Key venues: INTERSPEECH, ASRU, ICASSP, IEEE TASLP

RealTek – Emerging Tech / Advanced DSP

Hsinchu, Taiwan

Applied ML / DSP Engineer Intern

Jun. 2024 – Sep. 2024

- Built streaming audio emotion sensing for edge devices (Python / TensorFlow); compressed KWS / SER by ~30% under FLOPs / MACs / parameter budgets.

Amazon AGI – Alexa Speech / Hybrid Science / ASR

Pittsburgh, PA

Applied Scientist Intern

Aug. 2023 – Nov. 2023

- Built a unified shared-layer ASR + multi-label SER model for voice-assistant workloads; ~20% lower system complexity / compute.
- Showed Whisper ASR degrades on emotional speech (~15% higher error vs. neutral); two-stage ASR–SER fine-tuning (–8.85% absolute WER, less forgetting).

National Tsing Hua University – BIIC Lab

Graduate Research Assistant (Ph.D.); Advisor: Prof. Chi-Chun Lee

Hsinchu, Taiwan

Feb. 2016 – Jul. 2024

- Led SER under subjectivity / ambiguity (multi-label learning, calibration, fairness): INTERSPEECH, ICASSP, SLT, IEEE TAFFC.
- Co-led EMO-SUPERB; released Mandarin interaction corpora (NNIME, DDDM); mentored M.S./Ph.D. students.
- Visiting Ph.D., MSP Lab @ UT Dallas (2021–2022, Prof. Carlos Busso): perceptual annotation modeling for SER.
- ITRI (2018–2019): transformer / BERT summarization for multi-party spoken meetings.

SELECTED PROJECTS

- **Multitask ASR + SER (Alexa / Whisper)**: Shared-layer assistant model; emotional-speech ASR analysis; two-stage fine-tuning.
- **EMO-SUPERB**: Open SER leaderboard for splits, evaluation, and reproducibility.
- **Fair / robust SER**: Debiasing without explicit demographics; calibration for reliable confidence.
- **Expressive generation & on-device**: Instruction-TTS perception gap; EMO-Codec; edge SER / KWS compression (RealTek).

EDUCATION

National Tsing Hua University (NTHU)

Ph.D., Electrical Engineering; GPA 3.82/4.0

Hsinchu, Taiwan

Feb. 2016 – Aug. 2024

- Advisor: Prof. Chi-Chun Lee. Dissertation on SER under annotator subjectivity & emotion ambiguity (ACLCLP Doctoral Dissertation Award – Honorable Mention).

National Tsing Hua University (NTHU)

B.S., Electrical Engineering

Hsinchu, Taiwan

Sep. 2011 – Jan. 2016

SELECTED AWARDS & SERVICE

- **Awards**: NSTC Postdoctoral Abroad (2025–2026); IEEE SPS ICASSP / IEEE SLT / Google / ISCA travel grants; Merry Thesis Silver (2025) & Bronze (2021); APSIPA ASC Best Paper (2019); ACLCLP Dissertation Award – Honorable Mention; NOVATEK Ph.D. Scholarship
- **Service**: Reviewer – IEEE TASLP, TAFFC, TMM, CSL, ICASSP, INTERSPEECH; ISCA SAC (2023–2024); IEEE SLT (2024)

SELECTED PUBLICATIONS

Highlights for Siri Speech. Full list in Appendix.

- **IEEE TAFFC**, 2025 — *Minority Views Matter...* (first)
- **IEEE SLT**, 2024 — EMO-SUPERB; All-Inclusive aggregation (first)
- **APSIPA ASC**, 2024 — *A Tiny Whisper-SER* unifying ASR + multi-label SER (first)
- **ICASSP**, 2025/2026 — Stimulus modality for SER (first); instruction-guided expressive TTS (second); under-resourced SER via S2S (co)
- **INTER_SPEECH**, 2023/2025 — SER calibration (first); fairness / Meta-PerSER
- **IEEE TASLP**, 2026 — DeSTA2.5-Audio large audio LM (co)
- **ASRU**, 2025 — EMO-Reasoning; EMO-Debias; CO-VADA
- **arXiv**, 2026 — VoxEmo (speech LLMs; mentor); TaigiSpeech; fair speech survey

Name in **bold** indicates Huang-Cheng Chou. Categories: First Author, Second Author, Co-Author, Mentored.

FIRST-AUTHOR PUBLICATIONS

- [1] **Huang-Cheng Chou**, Haibin Wu, and Chi-Chun Lee. "Stimulus Modality Matters: Impact of Perceptual Evaluations from Different Modalities on Speech Emotion Recognition System Performance". In: *ICASSP 2025 - 2025 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. 2025, pp. 1–5. DOI: 10.1109/ICASSP49660.2025.10890558.
- [2] **Huang-Cheng Chou**. "A Tiny Whisper-SER: Unifying Automatic Speech Recognition and Multi-label Speech Emotion Recognition Tasks". In: *2024 Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*. 2024, pp. 1–6. DOI: 10.1109/APSIPAASC63619.2025.10848651.
- [3] **Huang-Cheng Chou**, Lucas Goncalves, Haibin Wu, Hung-Yi Lee, and Chi-Chun Lee. "Embracing Ambiguity And Subjectivity Using The All-Inclusive Aggregation Rule For Evaluating Multi-Label Speech Emotion Recognition Systems". In: *2024 IEEE Spoken Language Technology Workshop (SLT)*. 2024, pp. 502–509. DOI: 10.1109/SLT61566.2024.10832302.
- [4] **Huang-Cheng Chou**, Haibin Wu, Kai-Wei Chang, Lucas Goncalves, Jiawei Du, Jyh-Shing Roger Jang, Chi-Chun Lee, and Hung-Yi Lee. "Open-Emotion: A Reproducible EMO-Superb For Speech Emotion Recognition Systems". In: *2024 IEEE Spoken Language Technology Workshop (SLT)*. 2024, pp. 510–517. DOI: 10.1109/SLT61566.2024.10832296.
- [5] **Huang-Cheng Chou**, Lucas Goncalves, Seong-Gyun Leem, Ali N. Salman, Chi-Chun Lee, and Carlos Busso. "Minority Views Matter: Evaluating Speech Emotion Classifiers with Human Subjective Annotations by an All-Inclusive Aggregation Rule". In: *IEEE Transactions on Affective Computing* (2024), pp. 1–15. DOI: 10.1109/TAFFC.2024.3411290.
- [6] **Huang-Cheng Chou**, Haibin Wu, Kai-Wei Chang, Lucas Goncalves, Jiawei Du, Jyh-Shing Roger Jang, Chi-Chun Lee, and Hung-Yi Lee. "Empower Typed Descriptions by Large Language Models for Speech Emotion Recognition". In: *2024 Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*. 2024, pp. 1–6. DOI: 10.1109/APSIPAASC63619.2025.10848758.
- [7] **Huang-Cheng Chou**, Lucas Goncalves, Seong-Gyun Leem, Chi-Chun Lee, and Carlos Busso. "The Importance of Calibration: Rethinking Confidence and Performance of Speech Multi-label Emotion Classifiers". In: *Proc. Interspeech*. 2023, pp. 641–645. DOI: 10.21437/Interspeech.2023-1113.
- [8] **Huang-Cheng Chou**. "Do Minority Views in Perceptual Evaluations Affect Confidence of Speech Emotion Classifiers?" In: *2022 10th International Conference on Affective Computing and Intelligent Interaction Workshops and Demos (ACIIW)*. IEEE. 2022, pp. 1–5. DOI: 10.1109/ACIIW57231.2022.10085994.
- [9] **Huang-Cheng Chou**. "Predicting Inter-annotator Agreements to Improve Calibration and Performance of Speech Emotion Classifiers". In: *8th Doctoral Consortium Proc. Interspeech 2022*. 2022. URL: http://www.isca-students.org/sacweb/images/files/resources/8thDC/3_8DC_paper_1859.pdf.
- [10] **Huang-Cheng Chou**, Chi-Chun Lee, and Carlos Busso. "Exploiting Co-occurrence Frequency of Emotions in Perceptual Evaluations To Train A Speech Emotion Classifier". In: *Proc. Interspeech 2022*. 2022. URL: https://www.isca-speech.org/archive/interspeech_2022/chou22_interspeech.html.
- [11] **Huang-Cheng Chou**, Wei-Cheng Lin, Chi-Chun Lee, and Carlos Busso. "Exploiting Annotators' Typed Description of Emotion Perception to Maximize Utilization of Ratings for Speech Emotion Recognition". In: *ICASSP 2022 - 2022 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. 2022. URL: <https://ieeexplore.ieee.org/abstract/document/9746990>.
- [12] **Huang-Cheng Chou** and Chi-Chun Lee. "Learning to Recognize Per-Rater's Emotion Perception Using Co-Rater Training Strategy with Soft and Hard Labels". In: *Proc. Interspeech 2020*. 2020, pp. 4108–4112. DOI: 10.21437/Interspeech.2020-1714. URL: <http://dx.doi.org/10.21437/Interspeech.2020-1714>.

- [13] **Huang-Cheng Chou** and Chi-Chun Lee. “Every Rating Matters: Joint Learning of Subjective Labels and Individual Annotators for Speech Emotion Classification”. In: *ICASSP 2019 - 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. 2019, pp. 5886–5890. DOI: 10.1109/ICASSP.2019.8682170.
- [14] **Huang-Cheng Chou**, Wei-Cheng Lin, Lien-Chiang Chang, Chyi-Chang Li, Hsi-Pin Ma, and Chi-Chun Lee. “NNIME: The NTHU-NTUA Chinese interactive multimodal emotion corpus”. In: *2017 Seventh International Conference on Affective Computing and Intelligent Interaction (ACII)*. 2017, pp. 292–298. DOI: 10.1109/ACII.2017.8273615.
- [15] **Huang-Cheng Chou**, Chun-Min Chang, Yu-Shuo Liu, Shiuan-Kai Kao, and Chi-Chun Lee. “Amplifying a Sense of Emotion toward Drama-Long Short-Term Memory Recurrent Neural Network for Dynamic Emotion Recognition”. In: *Proceedings of the 29th Conference on Computational Linguistics and Speech Processing (ROCLING 2017)*. 2017, pp. 136–147. URL: <https://www.aclweb.org/anthology/O17-1013.pdf>.
- [16] **Huang-Cheng Chou**, Woan-Shiuan Chien, Da-Cheng Juan , and Chi-Chun Lee. ““Does it Matter When I Think You Are Lying?” Improving Deception Detection by Integrating Interlocutor’s Judgements in Conversations”. In: *Findings of the Association for Computational Linguistics: ACL-IJCNLP 2021*. Online: Association for Computational Linguistics, Aug. 2021, pp. 1846–1860. DOI: 10.18653/v1/2021.findings-acl.162. URL: <https://aclanthology.org/2021.findings-acl.162>.
- [17] **Huang-Cheng Chou**, Yi-Wen Liu, and Chi-Chun Lee. “Automatic Deception Detection using Multiple Speech and Language Communicative Descriptors in Dialogs”. In: *APSIPA Transactions on Signal and Information Processing 10* (2021), e5. DOI: 10.1017/ATSIP2021.6.
- [18] **Huang-Cheng Chou**, Yi-Wen Liu, and Chi-Chun Lee. “JOINT LEARNING OF CONVERSATIONAL TEMPORAL DYNAMICS AND ACOUSTIC FEATURES FOR SPEECH DECEPTION DETECTION IN DIALOG GAMES”. In: *2019 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*. 2019, pp. 1044–1050. DOI: 10.1109/APSIPAASC47483.2019.9023050.
- [19] **Huang-Cheng Chou** and Chi-Chun Lee. ““Your Behavior Makes Me Think It Is a Lie”: Recognizing Perceived Deception using Multimodal Data in Dialog Games”. In: *2020 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*. 2020, pp. 393–402. URL: <https://ieeexplore.ieee.org/abstract/document/9306359>.

SECOND-AUTHOR PUBLICATIONS

- [20] Yi-Cheng Lin, **Huang-Cheng Chou**, and Hung-Yi Lee. “Mitigating Subgroup Disparities in Multi-Label Speech Emotion Recognition: A Pseudo-Labeling and Unsupervised Learning Approach”. In: *Proc. Interspeech*. 2025.
- [21] Lucas Goncalves, **Huang-Cheng Chou**, Ali N. Salman, Chi-Chun Lee, and Carlos Busso. “Jointly Learning From Unimodal and Multimodal-Rated Labels in Audio-Visual Emotion Recognition”. In: *IEEE Open Journal of Signal Processing 6* (2025), pp. 165–174. DOI: 10.1109/OJSP.2025.3530274.
- [22] Chih-Hsiang Huang, **Huang-Cheng Chou**, Yi-Tong Wu, Chi-Chun Lee, and Yi-Wen Liu. “Acoustic Indicators of Deception in Mandarin Daily Conversations Recorded from an Interactive Game”. In: *Proc. Interspeech 2019*. 2019, pp. 1731–1735. DOI: 10.21437/Interspeech.2019-2216. URL: <http://dx.doi.org/10.21437/Interspeech.2019-2216>.
- [23] Min-Hsuan Lin and **Huang-Cheng Chou** and Yu-Fu Chen, Wangta Liu, Chi-Chun Lee, Lawrence Yu-Min Liu, and Yung-Jen, Chuang. “Development of a rapid and economic in vivo electrocardiogram platform for cardiovascular drug assay and electrophysiology research in adult zebrafish”. In: *Scientific Reports 8*, 15986 (Oct. 2018), p. 15986. DOI: 10.1038/s41598-018-33577-7.
- [24] Woan-Shiuan Chien, **Huang-Cheng Chou** , and Chi-Chun Lee. “Belongingness and Satisfaction Recognition from Physiological Synchrony with A Group-Modulated Attentive BLSTM under Small-group Conversation”. In: *Companion Publication of the 2021 International Conference on Multimodal Interaction*. 2021. DOI: 10.1145/3461615.3485410.

- [25] Woan-Shiuan Chien, **Huang-Cheng Chou**, and Chi-Chun Lee. “Self-assessed Emotion Classification from Acoustic and Physiological Features within Small-group Conversation”. In: *Companion Publication of the 2021 International Conference on Multimodal Interaction*. 2021. DOI: 10.1145/3461615.3485410.
- [26] Lucas Goncalves, **Huang-Cheng Chou**, Ali N. Salman, Chi-Chun Lee, and Carlos Busso. “Contextual Attention for Robust Audio-Visual Emotion Recognition”. In: *IEEE Open Journal of Signal Processing* (2025).
- [27] Yi-Cheng Lin, **Huang-Cheng Chou**, Yu-Hsuan Li Liang, and Hung-Yi Lee. “EMO-Debias: Benchmarking Gender Debiasing Techniques in Multi-Label Speech Emotion Recognition”. In: *2025 IEEE Automatic Speech Recognition and Understanding Workshop (ASRU)*. 2025, pp. 1–8. DOI: 10.1109/ASRU65441.2025.11433837.
- [28] Yi-Cheng Lin, **Huang-Cheng Chou**, Tzu-Chieh Wei, Kuan-Yu Chen, and Hung-Yi Lee. “Do You Hear What I Mean? Quantifying the Instruction-Perception Gap in Instruction-Guided Expressive Text-to-Speech Systems”. In: *ICASSP 2026 - 2026 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. 2026, pp. 16472–16476. DOI: 10.1109/ICASSP55912.2026.11462935.
- [29] Haibin Wu, **Huang-Cheng Chou**, Kai-Wei Chang, Lucas Goncalves, Jiawei Du, Jyh-Shing Roger Jang, Chi-Chun Lee, and Hung-Yi Lee. *EMO-SUPERB: An In-depth Look at Speech Emotion Recognition*. 2024. arXiv: 2402.13018 [eess.AS]. URL: <https://arxiv.org/abs/2402.13018>.
- [30] Kai-Wei Chang, Yi-Cheng Lin, **Huang-Cheng Chou**, Wenze Ren, Yu-Han Huang, Yun-Shao Tsai, Chien-Cheng Chen, Yu Tsao, Yuan-Fu Liao, Shrikanth Narayanan, James Glass, and Hung-yi Lee. *TaigiSpeech: A Low-Resource Real-World Speech Intent Dataset and Preliminary Results with Scalable Data Mining In-the-Wild*. 2026. arXiv: 2603.21478 [cs.CL]. URL: <https://arxiv.org/abs/2603.21478>.

CO-AUTHOR PUBLICATIONS

- [31] Shi-Xin Fang, Liang-Yeh Shen, Yi-Cheng Lin, **Huang-Cheng Chou**, and Hung-yi Lee. “Meta-PerSER: Few-Shot Listener Personalized Speech Emotion Recognition via Meta-learning”. In: *Proc. Interspeech*. 2025.
- [32] Hsi-Che Lin, Yi-Cheng Lin, **Huang-Cheng Chou**, and Hung-yi Lee. “Improving Speech Emotion Recognition in Under-Resourced Languages via Speech-to-Speech Translation with Bootstrapping Data Selection”. In: *ICASSP 2025 - 2025 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. 2025, pp. 1–5. DOI: 10.1109/ICASSP49660.2025.10887615.
- [33] Wenze Ren, Yi-Cheng Lin, **Huang-Cheng Chou**, Haibin Wu, Yi-Chiao Wu, Chi-Chun Lee, Hung-Yi Lee, Hsin-Min Wang and Tsao Yu. “EMO-Codec: An In-Depth Look at Emotion Preservation Capacity of Legacy and Neural Codec Models with Subjective and Objective Evaluations”. In: *2024 Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*. 2024, pp. 1–6. DOI: 10.1109/APSIPAASC63619.2025.10849259.
- [34] Yi-Cheng Lin, Haibin Wu, **Huang-Cheng Chou**, Chi-Chun Lee, and Hung-Yi Lee. “Emo-bias: A Large Scale Evaluation of Social Bias on Speech Emotion Recognition”. In: *Proc. Interspeech*. 2024, pp. 4633–4637. DOI: 10.21437/Interspeech.2024-1073.
- [35] Carlos Busso, Reza Lotfian, Kusha Sridhar, Wei-Cheng Lin, Srinivas Parthasarathy, Abinay Naini, Jeri Luckenbaugh, Luz Martinez-Lucas, Ali N. Salman, Lucas Goncalves, and **Huang-Cheng Chou**. “The MSP-Podcast Corpus”. In: *IEEE Transactions on Affective Computing* (2025).
- [36] Ke-Han Lu, Zhehuai Chen, Szu-Wei Fu, Chao-Han Huck Yang, Sung-Feng Huang, Chih-Kai Yang, Chee-En Yu, Chun-Wei Chen, Wei-Chih Chen, Chien-yu Huang, Yi-Cheng Lin, Yu-Xiang Lin, Chi-An Fu, Chun-Yi Kuan, Wenze Ren, Xuanjun Chen, Wei-Ping Huang, En-Pei Hu, Tzu-Quan Lin, Yuan-Kuei Wu, Kuan-Po Huang, Hsiao-Ying Huang, **Huang-Cheng Chou**, Kai-Wei Chang, Cheng-Han Chiang, Boris Ginsburg, Yu-Chiang Frank Wang, and Hung-yi Lee. “DeSTA2.5-Audio: Toward General-Purpose Large Audio Language Model With Self-Generated Cross-Modal Alignment”. In: *IEEE Transactions on Audio, Speech and Language Processing* 34 (2026), pp. 2062–2076. DOI: 10.1109/TASLPRO.2026.3675792.
- [37] Yun-Shao Tsai, Yi-Cheng Lin, **Huang-Cheng Chou**, and Hung-Yi Lee. “CO-VADA: A Confidence-Oriented Voice Augmentation Debiasing Approach for Fair Speech Emotion Recognition”. In: *2025 IEEE Automatic Speech Recognition and Understanding Workshop (ASRU)*. 2025, pp. 1–8. DOI: 10.1109/ASRU65441.2025.11434684.

- [38] Jingwen Liu, Kan Jen Cheng, Jiachen Lian, Akshay Anand, Rishi Jain, Faith Qiao, Robin Netzorg, **Huang-Cheng Chou**, Tingle Li, Guan-Ting Lin, and Gopala Anumanchipalli. “EMO-Reasoning: Benchmarking Emotional Reasoning Capabilities in Spoken Dialogue Systems”. In: *2025 IEEE Automatic Speech Recognition and Understanding Workshop (ASRU)*. 2025, pp. 1–8. DOI: 10.1109/ASRU65441.2025.11434762.
- [39] Yi-Cheng Lin, Yun-Shao Tsai, Kuan-Yu Chen, Hsiao-Ying Huang, **Huang-Cheng Chou**, and Hung-yi Lee. *Toward Fair Speech Technologies: A Comprehensive Survey of Bias and Fairness in Speech AI*. 2026. arXiv: 2605.01597 [eess . AS]. URL: <https://arxiv.org/abs/2605.01597>.
- [40] Yun-Shao Tsai, Yi-Cheng Lin, **Huang-Cheng Chou**, Tzu-Wen Hsu, Yun-Man Hsu, Chun Wei Chen, Shrikanth Narayanan, and Hung-yi Lee. *The False Resonance: A Critical Examination of Emotion Embedding Similarity for Speech Generation Evaluation*. 2026. arXiv: 2604.26347 [eess . AS]. URL: <https://arxiv.org/abs/2604.26347>.
- [41] Kuan-Yu Chen, Yi-Cheng Lin, Po-Chung Hsieh, **Huang-Cheng Chou**, Chih-Fan Hsu, Jeng-Lin Li, Hung-yi Lee, and Jian-Jiun Ding. *The Binding Effect: Analyzing How Multi-Dimensional Cues Form Gender Bias in Instruction TTS*. 2026. arXiv: 2603.20743 [eess . SP]. URL: <https://arxiv.org/abs/2603.20743>.
- [42] Dingkun Zhou, Krish Patel, Ajay Kankipati, Akshaj Gupta, Zeyi Austin Li, Mohul Shukla, Vibhor Narang, Sara Kofman, Zongli Ye, Grace Wang, Xiaoyu Shi, Tingle Li, Guan-Ting Lin, Kan Jen Cheng, **Huang-Cheng Chou**, Jiachen Lian, and Gopala Anumanchipalli. *AV-EMO-Reasoning: Benchmarking Emotional Reasoning Capabilities in Omni-modal LLMs with Audio-visual Cues*. 2026. arXiv: 2510.07355 [cs . MM]. URL: <https://arxiv.org/abs/2510.07355>.

MENTORED PUBLICATIONS

- [43] Chia-Yu Lee, **Huang-Cheng Chou**, Tzu-Quan Lin, Yuanchao Li, Ya-Tse Wu, Shrikanth Narayanan, and Chi-Chun Lee. *AdaLTM: Adaptive Layer-wise Task Vector Merging for Categorical Speech Emotion Recognition with ASR Knowledge Integration*. 2026. arXiv: 2603.25041 [eess . AS]. URL: <https://arxiv.org/abs/2603.25041>.
- [44] Hezhao Zhang, **Huang-Cheng Chou**, Shrikanth Narayanan, and Thomas Hain. *VoxEmo: A Reproducible Toolkit for Speech Emotion Recognition with Speech LLMs*. 2026. arXiv: 2603.08936 [cs . SD]. URL: <https://arxiv.org/abs/2603.08936>.
- [45] Anisha Pattanayak, **Huang-Cheng Chou**, Shrikanth Narayanan, and Sudarsana Reddy Kadiri. *Speaker-Aware Temporal Aggregation Strategies on Segment Representations for Depression Detection in Dyadic Interaction: A Benchmark Study*. 2026. arXiv: 2607.02904 [eess . AS]. URL: <https://arxiv.org/abs/2607.02904>.
- [46] Anisha Pattanayak, Hanie Kang, **Huang-Cheng Chou**, Shrikanth Narayanan, and Sudarsana Reddy Kadiri. *Layer-wise Cross-Lingual Depression Detection from Speech: Analysis with Contrastive Alignment*. 2026. arXiv: 2607.02920 [eess . AS]. URL: <https://arxiv.org/abs/2607.02920>.
- [47] Hanie Kang, **Huang-Cheng Chou**, Sudarsana Reddy Kadiri, and Shrikanth Narayanan. *Can Conversational Temporal Dynamics Improve Depression Detection in Dyads? A Preliminary Investigation in Multi-Modality Perspectives*. 2026. arXiv: 2607.03744 [eess . AS]. URL: <https://arxiv.org/abs/2607.03744>.
- [48] Tzu-Chieh Wei, Yi-Cheng Lin, **Huang-Cheng Chou**, Kuan-Yu Chen, Hsin-Yen Sung, Shrikanth Narayanan, and Hung-yi Lee. *Speaker Identity in Non-Verbal Vocalizations: Conditional Distillation and Mixture of Experts Approach*. 2026. arXiv: 2606.21215 [eess . AS]. URL: <https://arxiv.org/abs/2606.21215>.
- [49] Xin Wei, Shi He, Yihe Yuan, **Huang-Cheng Chou**, Sudarsana Reddy Kadiri, and Shrikanth Narayanan. “AMECxSV: Adaptive Metadata-Driven Embedding-Fusion Calibration for X-Lingual Speaker Verification”. In: *IEEE Spoken Language Technology Workshop (SLT) (submitted)*. 2026.