

Chi-Chang Lee

Curriculum Vitae

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Education

- Feb. 2020 – **M.Sc. in Artificial Intelligence** offered by the Department of Computer Science and Information Engineering,
Jan. 2022 GPA: 4.22/4.3, National Taiwan University, Taipei, Taiwan.
- Sep. 2015 – **B.Sc. in Engineering Science and Ocean Engineering**,
Jun. 2019 GPA: 3.73/4.3, National Taiwan University, Taipei, Taiwan.

Research Experiences

- Mar. 2024 – **Research Assistant**, Human-centered Intelligent System Laboratory, National Yang Ming Chiao Tung University, supervised by Yi-Ting Chen.
- Jul. 2023 – **Research Collaborator**, Improbable AI Laboratory, USA, Massachusetts Institute of Technology, supervised by Pulkit Agrawal.
- Mar. 2019 – **Research Assistant**, Biomedical Acoustic Signal Processing Laboratory,
Mar. 2024 Academia Sinica CITI, Taipei, supervised by Yu.Tsao.
- Nov. 2022 – **Visiting Researcher**, Yamagishi Laboratory, National Institute of Informatics,
Feb. 2023 Japan, supervised by Junichi Yamagishi.

Research Interests

- Deep Reinforcement Learning
- Autonomous Vehicle
- Robot Learning
- Auxiliary Task Learning
- Robust Automatic Speech Recognition

Honors & Awards

- 2019 IC/CAD Contest Problem E Second Place

Selected Publications in Sensorimotor Learning

- Chi-Chang Lee^{*}, Zhang-Wei Hong^{*}, Pulkit Agrawal, "Harnessing Heuristics for Deep Reinforcement Learning via Constrained Optimization," in *NeurIPS 2024* (* indicates equal contribution)
- Srinath Mahankali^{*}, Chi-Chang Lee^{*}, Gabriel B. Margolis, Zhang-Wei Hong, Pulkit Agrawal, "Maximizing Quadruped Velocity by Minimizing Energy," in *ICRA 2024* (* indicates equal contribution)

- **Chi-Chang Lee**, Yu Tsao, Hsin-Min Wang, and Chu-Song Chen, "D4AM: A General Denoising Framework for Downstream Acoustic Models," in *ICLR 2023*

Publications in Audio Applications

- **Chi-Chang Lee**, Hong-Wei Chen, Chu-Song Chen, Hsin-Min Wang, Tsung-Te Liu, Yu Tsao, "LC4SV: A Denoising Framework Learning to Compensate for Unseen Speaker Verification Models," in *ASRU 2023*
- **Chi-Chang Lee**, Cheng-Hung Hu, Yu-Chen Lin, Chu-Song Chen, Hsin-Min Wang, and Yu Tsao, "NASTAR: Noise Adaptive Speech Enhancement with Target-Conditional Resampling," in *Interspeech 2022*
- **Chi-Chang Lee**, Yu-Chen Lin, Hsuan-Tien Lin, Hsin-Min Wang, and Yu Tsao, "SERIL: Noise Adaptive Speech Enhancement using Regularization-based Incremental Learning," in *Interspeech 2020*
- Chi-Lun Lin, Kate Ching-Ju Lin, **Chi-Chang Lee**, and Yu Tsao, "Cross-Technology Interference Mitigation Using Fully Convolutional Denoising Autoencoders," in *GLOBECOM 2020*
- **Chi-Chang Lee**, Jian-Jiun Ding, "Automatic Chinese Handwriting Verification Algorithm Using Deep Neural Networks," in *ISPACS 2019*

Teaching Experiences

- Fall 2021 **Teaching Assistant**, Machine Learning,
National Taiwan University, Taipei, Taiwan.
- Fall 2018 **Teaching Assistant**, Time Frequency Analysis and Wavelet Transforms,
National Taiwan University, Taipei, Taiwan.