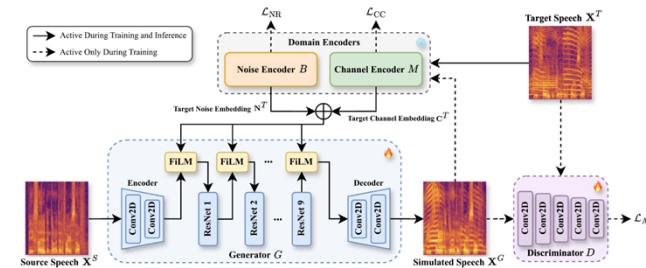


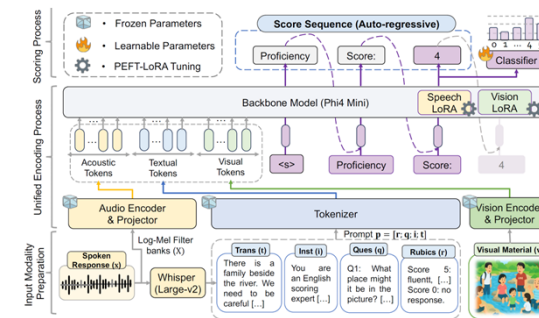
Prof. Chen's research interests generally lie in the areas of speech recognition and natural language processing, multimedia information retrieval and extraction, computer-assisted language learning, and machine learning in general.

Theories and Techniques Used in Study

Phonetics and Phonology
Acoustic and Language Modeling
Deep Neural Networks
Statistical Learning
Inference and Search Algorithms



Speech Enhancement



Computer-Assisted Language Learning

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Ph.D. in Computer Science and Information Engineering
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Funding:

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Publications

- C.-C. Wang et al., "DeRA-MOS: Optimizing text-to-music evaluation via decoupled listwise ranking and modality alignment," IEEE Signal Processing Letters, Vol. 33, pp. 2440-2444, 2026.
- C.-C. Wang et al., "Universal robust speech adaptation for cross-domain speech recognition and enhancement," IEEE Transactions on Audio, Speech, and Language Processing, Vol. 34, pp. 1229-1242, 2026.
- B.-C. Yan et al., "MuFFIN: Multifaceted pronunciation feedback model with interactive hierarchical neural modeling," IEEE Transactions on Audio, Speech, and Language Processing, Vol. 33, pp. 4295-4310, 2025.
- B.-C. Yan et al., "An effective hierarchical graph attention network modeling approach for pronunciation assessment," IEEE/ACM Transactions on Audio, Speech, and Language Processing, Vol. 32, pp. 3974-3985, 2024.

