

# Ting Dang

Senior Lecturer, University of Melbourne  
Melbourne, Australia

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## Research Interests

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My research interests focus on human-centred sensing and AI for health monitoring. Specifically, they include:

- **Machine Learning in Mobile Health:** Pioneering the development of machine learning algorithms tailored for diverse health applications, aimed at enhancing the reliability and effectiveness of ML in screening, diagnosis, and monitoring.
- **Speech and Audio Processing:** Investigating advanced signal processing and machine learning techniques for speech and related applications.
- **Time Series Modelling:** Enhancing representation learning for time series in real-world challenges.
- **Trustworthy Deep Learning (DL):** Improving the interpretability and generalization of DL models for more reliable health outcome predictions.
- **Wearable Sensing:** Examining novel sensing opportunities for health monitoring using new forms of resource-constrained IoT wearable devices.

## Experience

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<b>Senior Lecturer</b> University of Melbourne (UoM), Australia	<i>Mar 2024 – Present</i>
<b>Senior Research Scientist</b> Nokia Bell Labs, UK	<i>Oct 2022 – Dec 2023</i>
<b>Senior Research Associate</b> University of Cambridge, UK	<i>Jan 2021 – Oct 2022</i>
<b>Research Associate</b> University of New South Wales (UNSW), Australia	<i>May 2018 – Dec 2020</i>

## Education

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<b>Ph.D.</b> University of New South Wales (UNSW), Australia	<i>Aug 2014 – Jun 2018</i>
<b>M.Eng.</b> Northwestern Polytechnical University, China	<i>Sep 2012 – Mar 2015</i>
<b>B.Eng.</b> Northwestern Polytechnical University, China	<i>Sep 2008 – Mar 2012</i>

## Selected Honors

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- Finalist, Rising Star (Academics), STEM Women in Color Award 2025.
- Best Poster Award (PhD Forum) at AJCAI 2024.
- Best Paper Award at ACII 2023.
- Top 3% of accepted papers at ICASSP 2023.
- Shortlisted candidate for Asian Dean's Forum 2022 The Rising Stars - Women in Engineering Grant, 2022.
- IEEE Early Career Writing Retreat Grant, 2019.
- Distinguished Reviewer Award for IEEE Transactions on Affective Computing, 2019.
- Outstanding Reviewer Award for Expert Systems With Applications (Elsevier), 2018.
- ISCA (International Speech Communication Association) Grant, Interspeech, Stockholm 2017.
- Highly Commended Presentation (6 finalists) at Postgraduate Research Symposium, UNSW, 2017.

- 2nd place in Audio/Video Emotion Challenge (AVEC) Workshop, ACM Multimedia, 2015.
- Tuition Fee Scholarship (TFS) plus Research Stipend from UNSW, 2014-2018.
- Top-up Scholarship from Data61, CSIRO, Australia, 2014-2018.
- First-Class Prize, Underwater Signal Technology Competition, NWPU, 2013.
- Excellent Bachelor Graduation Thesis Award, NWPU, 2012.

## Publications and Patents

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### Journals

- [70] Wu, J., Dang, T., Sethu, V., Ambikairajah, E. (2025). How many raters do we need? Analyses of uncertainty in estimating ambiguity-aware emotion labels. *IEEE Transactions on Affective Computing*. **[Best of ACHI 2023]**
- [69] Liu, M., Zhu, M., Dong, Q., Dang, T.\*, Ma, J., Ren, J., Xia, F. (2025). Data-Efficient Psychiatric Disorder Detection via Self-supervised Learning on Frequency-enhanced Brain Networks. *ACM Transactions on Computing for Healthcare*.
- [68] Vavaroutas, S., Dang, T., Rocheteau, E., Mascolo, C. (2025). SQUIREDL: Sparse Sequence-to-Sequence Uncertainty Estimation in Evidential Deep Learning. *ACM Transactions on Computing for Healthcare*.
- [67] Tang, X., Huang, J., Lin, Y., Dang, T., Cheng, J. (2025). Speech Emotion Recognition via CNN-Transformer and Multidimensional Attention Mechanism. *Speech Communication*.
- [66] Dang, T., Jia, H. (2024). Multimodal Large Language Models in Human-centered Health: Practical Insights. *IEEE Pervasive Computing*.
- [65] Butkow, K. J., Dang, T., Ferlini, A., Ma, D., Liu, Y., & Mascolo, C. (2024). An evaluation of heart rate monitoring with in-ear microphones under motion. *Pervasive and Mobile Computing*.
- [64] Xia, T., Dang, T., Han, J., Qendro, L., & Mascolo, C. (2024). Uncertainty-aware Health Diagnostics via Class-balanced Evidential Deep Learning. *IEEE Journal of Biomedical and Health Informatics*.
- [63] Ma, D., Dang, T., Ding, M., & Balan, R. (2024). ClearSpeech: Improving Voice Quality of Earbuds Using Both In-Ear and Out-Ear Microphones. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 7(4), 1-25.
- [62] Demirel, B. U., Dang, T., Al-Naimi, K., Kawsar, F., & Montanari, A. (2024). Unobtrusive Air Leakage Estimation for Earables with In-ear Microphones. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 7(4), 1-29.
- [61] Dang, T., Spathis, D., Ghosh, A., Mascolo, C. (2023). Human-centered AI for mobile health sensing: challenges and opportunities. *Royal Society Open Science*. **[Featured in Special Collection]**
- [60] Han, J., Montagna, M., Grammenos, A., Xia, T., Bondareva, E., Brown, C., Chauhan, J., Dang, T., Spathis, D., Floto, A., Cicuta, P., Mascolo, C. (2023). Comparing Listening Performance for COVID-19 Detection between Clinicians and Machine Learning: A Comparative Study. *Journal of Medical Internet Research*.
- [59] Wickramasinghe, B., Ambikairajah, E., Sethu, V., Epps, J., Li, H., & Dang, T. (2023). DNN controlled adaptive front-end for replay attack detection systems. *Speech Communication*, 154, 102973.
- [58] Dang, T., Han, J.\*, Xia, T.\*, Spathis, D., Bondareva, E., Brown, C., Chauhan, J., Grammenos, A., Hasthanasombat, A., Floto, A., Cicuta, P., Mascolo, C. (2022). Exploring Longitudinal Cough, Breath, and Voice Data for COVID-19 Disease Progression Prediction via Sequential Deep Learning. *Journal of Medical Internet Research*. **[Media Coverage]**
- [57] Wu, J., Dang, T., Sethu, V., Ambikairajah, E. (2022). A Novel Markovian Framework for Integrating Absolute and Relative Ordinal Emotion Information. *IEEE Transactions on Affective Computing*.
- [56] Han, J.\*, Xia, T.\*, Spathis, D., Bondareva, E., Brown, C., Chauhan, J., Dang, T., Grammenos, A., Hasthanasombat, A., Floto, A., Cicuta, P., Mascolo, C. (2021). Sounds of COVID-19: Exploring Realistic Performance of Audio-based Digital Testing. *NPJ Digital Medicine (Nature Portfolio)*. **[Media Coverage]**
- [55] Wu, J., Dang, T., Sethu, V., Ambikairajah, E. (2021). Multimodal Affect Models: An Investigation of Relative Salience of Audio and Visual Cues for Emotion Prediction. *Frontiers in Computer Science*.
- [54] Dang, T., Sethu, V., Ambikairajah, E. (2018). Compensation Techniques for Speaker Variability in Continuous Emotion Prediction. *IEEE Transactions on Affective Computing*.

### Conferences

- [53] Hu, C., Pham, H., Dang, T., Li, J., Balan, R., Ma, D. From Cheap to Chic: Enhancing Music Playback Quality of Budget Earphones via Hardware-Aware Learning. *SenSys 2026*.
- [52] Dong, J., Jia, H., Chatterjee, S., Ghosh, A., Bailey, J., Dang, T. E-BATS: Efficient Backpropagation-Free Test-Time Adaptation for Speech Foundation Models. *NeurIPS 2025*.
- [51] Gao, Y., Scamarcia, M., Fernandez-Marques, J., Naseri, M., Ng, C., Stripelis, D., Li, Z., Shen, T., Bai, J., Chen, D., Zhang, Z., Hu, R., Song, I., KangYoon, L., Jia, H., Dang, T., Wang, J., Liu, Z., Beutel, D., Lyu, L., Lane, N. FlowerTune: A Cross-Domain Benchmark for Federated Fine-Tuning of Large Language Models. *NeurIPS 2025 Datasets and Benchmarks*.

- [50] Wang, X., Dang, T., Zhang, X., Kostakos, V., Witbrock, M. J., Jia, H. HealthSLM-Bench: Benchmarking Small Language Models for Mobile and Wearable Healthcare Monitoring. *NeurIPS 2025 GenAI4Health Workshop*.
- [49] Zhang, S., Jia, H., Li, S., Dang, T., Hu, Y., Yi, X., Li, H. Position: Human-Robot Interaction in Embodied Intelligence Demands a Shift From Static Privacy Controls to Dynamic Learning. *NeurIPS 2025 LAW Workshop*.
- [48] Liu, M., Wang, C., Chen, L., Le, N., Tewari, N., Dang, T., Ma, J., Xia, F. Structure Matters: Brain Graph Augmentation via Learnable Edge Masking for Data-efficient Psychiatric Diagnosis. *AJCAI 2025*.
- [47] Dang, T., Jeyaseelan, T., Ambikairajah, E., Sethu, V. Characterization of Speech Similarity Between Australian Aboriginal and High-Resource Languages: A Case Study on Dharawal. *APSIPA ASC 2025*.
- [46] Xiao, Y., Dang, T., Das, R. RawTFNet: A Lightweight CNN Architecture for Speech Anti-spoofing. *APSIPA ASC 2025*.
- [45] Jia, H., Fu, S., Xia, F., Kostakos, V., Dang, T. Beyond Scale: Small Language Models are Comparable to GPT-4 in Mental Health Understanding. *ACII 2025 LBR*.
- [44] Wei, X., Dang, T.<sup>\*</sup>, Al-Naimi, K., Liu, Y., Kawsar, F., Montanari, A. Listening to the Mind: Earable Acoustic Sensing of Cognitive Load. *Companion of the 2025 ACM UbiComp/ISWC*.
- [43] Zhang, S., Ma, Y., Hu, Y., Dang, T., Jia, H., Yi, X., Li, H. From Patient Burdens to User Agency: Designing for Real-Time Protection Support in Online Health Consultations. *Companion of the 2025 ACM UbiComp/ISWC*.
- [42] Jia, H., Chatterjee, S., Keikhosrokiani, P., Dang, T. WellComp 2025: Eighth International Workshop on Computing and Software Systems for Well-Being. *Companion of the 2025 ACM UbiComp/ISWC*.
- [41] Chen, J., You, L., Dang, T., Liu, X., Zhang, H. Self-Supervised rU-net With Spectrum Branch: A Novel Framework for Subject-independent Emotion Recognition based on Peripheral Physiological Signals. *IEEE SMC 2025*.
- [40] Halim, J., Wang, S., Jia, H., Dang, T. Token-Level Logits Matter: A Closer Look at Speech Foundation Models for Ambiguous Emotion Recognition. *INTERSPEECH 2025*.
- [39] Ambikairajah, E., Wu, J., Dang, T., Sethu, V. A Study of Speech Embedding Similarities Between Australian Aboriginal and High-Resource Languages. *INTERSPEECH 2025*.
- [38] Izhar, A., Japar, N., Idris, N., Dang, T. MicarVLMoE: A Modern Gated Cross-Aligned Vision-Language Mixture of Experts Model for Medical Image Captioning and Report Generation. *IJCNN 2025 TAIM Workshop*.
- [37] Hong, X., Gong, Y., Sethu, V., Dang, T. AER-LLM: Ambiguity-aware Emotion Recognition Leveraging Large Language Models. *ICASSP 2025*.
- [36] Quan, J., Al-Naimi, K., Wei, X., Liu, Y., Montanari, A., Dang, T. Cognitive Load Monitoring via Earable Acoustic Sensing. *ICASSP 2025*.
- [35] Jia, H., Kwon, Y., Orsino, A., Dang, T., Talia, D., Mascolo, C. TinyTTA: Efficient Test-time Adaptation via Early-exit Ensembles on Edge Devices. *NeurIPS 2024*.
- [34] Wang, X., Dang, T., Kostakos, V., Jia, H. Efficient and Personalized Mobile Health Event Prediction via Small Language Models. *MobiCom Workshop ELFCOM 2024*.
- [33] Dang, T., Gashi, S., Spathis, D., Hoelzemann, A. WellComp 2024: Seventh International Workshop on Computing for Well-Being. In *Companion of the 2024 ACM UbiComp*.
- [32] Wu, Y., Dang, T., Spathis, D., Jia, H., Mascolo, C. StatioCL: Contrastive Learning for Time Series via Non-Stationary and Temporal Contrast. *CIKM 2024*.
- [31] Wu, J., Dang, T., Sethu, V., Ambikairajah, E. Emotion Recognition Systems Must Embrace Ambiguity. *ACII Workshop EASE 2024*.
- [30] Hu, Y., Zhang, S., Dang, T., Jia, H., Salim, F., Hu, W., Quigley, A. Exploring Large-Scale Language Models to Evaluate EEG-Based Multimodal Data for Mental Health. In *Companion of the 2024 ACM UbiComp*.
- [29] Wu, J., Dang, T., Sethu, V., Ambikairajah, E. (2024). Dual-Constrained Dynamical Neural ODEs for Ambiguity-aware Continuous Emotion Prediction. *INTERSPEECH 2024*.
- [28] Shahid, I., Al-Naimi, K., Dang, T., Liu, Y., Kawsar, F., Montanari, A. (2024). Towards Enabling DPOAE Estimation on Single-speaker Earbuds. *ICASSP 2024*.
- [27] Nan, Z., Dang, T., Sethu, V., Ambikairajah, E. (2024). Variational Connectionist Temporal Classification for Order-Preserving Sequence Modeling. *ICASSP 2024*.
- [26] Romero, J., Ferlini, A., Spathis, D., Dang, T., Farrahi, K., Kawsar, F., Montanari, A. (2024). OptiBreathe: An Earable-based PPG System for Continuous Respiration Rate, Breathing Phase, and Tidal Volume Monitoring. *HotMobile 2024*.
- [25] Dang, T., Han, J.<sup>\*</sup>, Xia, T.<sup>\*</sup>, Bondareva, E., Brown, C., Chauhan, J., Grammenos, A., Spathis, D., Cicuta, P., Mascolo, C. (2023). Conditional Neural ODE Processes for Individual Disease Progression Forecasting: A Case Study on COVID-19. *ACM KDD 2023*.
- [24] Wu, J., Dang, T., Sethu, V., Ambikairajah, E. (2023). Belief Mismatch Coefficient (BMC): A Novel Interpretable Measure of Prediction Accuracy for Ambiguous Emotion States. *Affective Computing and Intelligent Interaction (ACII) 2023*. **[Best Paper Award]**
- [23] Wu, J., Dang, T., Sethu, V., Ambikairajah, E. (2023). From Interval to Ordinal: A HMM-based Approach for Emotion Label Conversion. *INTERSPEECH 2023*.

- [22] Dang, T., Dimitriadis, A., Wu, J., Sethu, V., Epps, J., Ambikairajah, E. (2023). Constrained Dynamic Neural ODE for Time Series Modelling: A Case Study on Continuous Emotion Prediction. ICASSP 2023. **[Top 3% Paper Award]**
- [21] Gashi, S., Spathis, D., Dang, T., Hoelzemann, A. WellComp 2023: Sixth International Workshop on Computing for Well-Being. WellComp Workshop at UbiComp 2023.
- [20] Butkow, K. J., Dang, T., Ferlini, A., Ma, D., & Mascolo, C. (2023). hEARt: Motion-resilient Heart Rate Monitoring with In-ear Microphones. PerCom 2023.
- [19] Vavaroutas, S., Dang, T., Rocheteau, E., Mascolo, C. Uncertainty Estimation for Sequence-to-Sequence Regression on Sparse Time Series. MobiUK 2023.
- [18] Hu, C., Ma, X., Ma, D., Dang, T. (2023). Lightweight and Non-invasive User Authentication on Earables. Hot-Mobile 2023.
- [17] Xia, T., Han, J., Qendro, L., Dang, T., Mascolo, C. Hybrid-EDL: Improving Evidential Deep Learning for Uncertainty Quantification on Imbalanced Data. TSRML at NeurIPS 2022.
- [16] Dang, T. \*, Quinell, T. \*, Mascolo, C. (2022). Exploring Semi-supervised Learning for Audio-based COVID-19 Detection using FixMatch. INTERSPEECH 2022.
- [15] Wu, J., Dang, T., Sethu, V., Epps, J., Ambikairajah, E. (2022). A Novel Sequential Monte Carlo Framework for Predicting Ambiguous Emotion States. ICASSP 2022.
- [14] Xia, T., Spathis, D., Ch, J., Grammenos, A., Han, J., Hasthanasombat, A., Bondareva, E., Dang, T., Floto, A., Cicuta, P., Mascolo, C. (2021). COVID-19 Sounds: A Large-Scale Audio Dataset for Digital COVID-19 Detection. NeurIPS Datasets and Benchmarks Track, 2021.
- [13] Xia, T., Han, J., Qendro, L., Dang, T., & Mascolo, C. (2021). Uncertainty-Aware COVID-19 Detection from Imbalanced Sound Data. INTERSPEECH 2021.
- [12] B., Deboshree, Dang, T., Sethu, V., Ambikairajah, E., Fernando, S. (2019). A Novel Bag-of-Optimised-Clusters Front-End for Speech-based Continuous Emotion Prediction. Affective Computing and Intelligent Interaction (ACII) 2019.
- [11] Ouyang, A., Dang, T., Sethu, V., Ambikairajah, E. (2019). Speech-Based Emotion Prediction: Can a Linear Model Work? INTERSPEECH 2019.
- [10] Gamage, K., Dang, T., Sethu, V., Epps, J., Ambikairajah, E. (2018). Speech-based Continuous Emotion Prediction by Learning Perception Responses Related to Salient Events: A Study based on Vocal Affect Bursts and Cross-Cultural Affect in AVEC 2018. Proceedings of the 8th International Workshop on Audio/Visual Emotion Challenge, in conjunction with ACM MM, 2018.
- [9] Dang, T., Sethu, V., Ambikairajah, E. (2018). Dynamic Multi-rater Gaussian Mixture Regression Incorporating Temporal Dependencies of Emotion Uncertainty Using Kalman Filters. ICASSP 2018.
- [8] Dang, T., Sethu, V., Epps, J., Ambikairajah, E. (2017). An Investigation of Emotion Prediction Uncertainty Using Gaussian Mixture Regression. INTERSPEECH 2017.
- [7] Dang, T., Stasak, B., Huang, Z., Jayawardena, S., Atcheson, M., Hayat, M., Le, P., Sethu, V., Goecke, R., Epps, J. (2017). Investigating Word Affect Features and Fusion of Probabilistic Predictions Incorporating Uncertainty in AVEC 2017. Proceedings of the 7th International Workshop on Audio/Visual Emotion Challenge, in conjunction with ACM MM, 2017.
- [6] Dang, T., Sethu, V., Ambikairajah, E. (2016). Factor Analysis Based Speaker Normalisation for Continuous Emotion Prediction. INTERSPEECH 2016.
- [5] Huang, Z., Stasak, B., Dang, T., Wataraka Gamage, K., Le, P., Sethu, V., Epps, J. (2016). Staircase Regression in OA RVM, Data Selection and Gender Dependency in AVEC 2016. Proceedings of the 6th International Workshop on Audio/Visual Emotion Challenge, in conjunction with ACM MM, 2016.
- [4] Huang, Z., Dang, T., Cummins, N., Stasak, B., Le, P., Sethu, V., Epps, J. (2015). An Investigation of Annotation Delay Compensation and Output-Associative Fusion for Multi-modal Continuous Emotion Prediction. Proceedings of the 5th International Workshop on Audio/Visual Emotion Challenge, in conjunction with ACM MM, 2015.

## Patents

- [3] Thangarajan, A., Al-naimi, K., Dang, T., Ferlini, A., Liu, Y., Montanari, A. (2025), "Power Saving", U.S. Patent and Trademark Office.
- [2] Dang, T., Al-Naimi, K., Thangarajan, A., Liu, Y., Ferlini, A., Montanari, A. (2024). Selecting Candidate Devices. U.S. Patent and Trademark Office.
- [1] Al-Naimi, K., Montanari, A., Ferlini, A., Dang, T., Demirel, B. U. (2024). Cancellation of Ultrasonic Signals. U.S. Patent and Trademark Office.

## Professional Activities

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### Talks and Seminars

- Invited seminar on 'The Future of Voice: Building Empathetic, Adaptive, and Efficient Generative AI for Speech' at Commonwealth Bank, 2025.
- Invited seminar on 'Human-centered AI for Mobile Health' at Medical AI Symposium, Hokkaido University, 2025.
- Invited talk on 'Unlocking the Potential of Audio: From Acoustic Sensing to Adaptive Speech Intelligence' at RIKEN-AIP-Melbourne workshop, 2025.
- Invited talk on 'Advancing Mobile Health via Audio and Physiological Computing in the Era of Generative AI' at School of Mathematics and Statistics, Xi'an Jiaotong University, China, 2025.
- Invited talk on 'Advancing Mobile Health via Audio and Physiological Computing in the Era of Generative AI' at School of Computer Science, Northwestern Polytechnical University, China, 2025.
- Invited talk on 'Machine learning for mobile health' at School of Computer Science, UNSW, 2024.
- Invited talk on 'Machine learning for mobile health' at School of Biomedical Engineering, University of Sydney, 2024.
- Invited talk on 'Machine learning for mobile health via audio' at South China Normal University, China, 2023.
- Invited talk on 'COVID -19 Disease Progression Prediction and Forecasting via Audio: A Longitudinal Study' by Women@CL at the University of Cambridge, UK, 2022.
- Invited talk on 'Computational modeling of ambiguous emotion' in AFAR Lab at the University of Cambridge, 2022.
- Invited talk on 'Machine Learning in Mobile Health via Audio: bridging the gap between AI and healthcare' in UCLIC at the University College London, 2022.
- Invited talk on 'Speech-based Emotion Prediction' at Tsinghua University, China, 2020

### Workshop and Tutorial Organizers

- Web Co-chair, Mobisys 2026
- Social Media Co-chair, INTERSPEECH 2026
- Challenge Co-organizer, Automatic Song Aesthetics Evaluation Challenge, ICASSP 2026
- Challenge Co-organizer, Environmental Sound Deepfake Detection (ESDD) Challenge, ICASSP 2026
- Special Session Co-organizer, Scalable and Efficient Signal Processing for Multimodal AI Systems (ESPRESSO), APSIPA ASC 2025
- Workshop Co-organizer, WellComp Workshop, UbiComp, 2025
- Workshop Co-chair, Multi-Biological Sensing Data for Speech and Language Deterioration Prediction, ACM MM Asia 2024
- Co-chair, Industry Perspectives, MobileHCI 2024
- Workshop Co-organizer, WellComp Workshop, UbiComp, 2024
- Tutorial Co-organizer, Wearable Eye and Audio for Affect Analysis, ACII 2023
- Tutorial Co-organizer, An Introduction to Wearable Eye and Speech for Affect Analysis, ICMI 2023
- Workshop Co-organizer, WellComp Workshop 2023, UbiComp

### Editor, Technical Program Committee and Reviewers

- Editor of Computer Speech and Languages, 2025 - Present
- Editor of IEEE Pervasive Computing, 2024 - Present
- Guest Editor of Special Issue on State of the Art in Wearable Sensors for Health Monitoring @ Sensors, 2025
- Senior PC for AAAI, 2023 - Present
- Area Chair for ICASSP, 2025 - Present
- TPC for Flute workshop (ICASSP 2025), HumanSys workshop (ACM SenSys 2024, 2025)
- Reviewer for 20+ Journals: Nature Reviews Bioengineering, Scientific Reports, IEEE TAC, IEEE TASLP, IEEE TIFS, IEEE TETCI, JASA, IMWUT, Speech Communications, Computer Speech Language, ACM Health, etc.
- PC for 10+ Conferences: NeurIPS, IJCAI, ICASSP, INTERSPEECH, APSIPA, ACII, IEEE SLT, etc.

### Outreach and Public Engagement

- Panelist, "IEEE Women in Engineering Panel Discussion", 2025
- Mentor, "Students Meet Experts" session, INTERSPEECH, 2025
- Invited panelist, "AI for Healthcare" at BioGrid 20th Anniversary, 2024
- Guest, "Universities and the Rise of AI – Part 2: A Peek into Large Language Models" podcast, University of Melbourne, 2024
- Invited speaker, "Women in STEM" event, University of Cambridge, 2022

## Supervisions and Teaching

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### Current Members

- **Ph.D.**

- Ye Bai, UoM (2025-): co-supervised with David O’Neal and Dale Morrison.
- Jiaheng Dong, UoM (2025-): co-supervised with Abhirup Ghosh and Jean Honorio Carrillo.
- Siyi Wang, UoM (2025-): co-supervised with James Bailey.
- Yang Xiao, UoM (2025-): co-supervised with Eun-Jung Holden.
- Jie Huang, UoM (2025-): co-supervised with Daniel Capurro Nario and Galit Almozno.
- Jian Xiang, UNSW (2025-): co-supervised with Vidhya Sethu.
- Pravina Mylvaganam, UNSW (2025-): mentored with Eliathamby Ambikairajah.
- Mujie Liu, Federation University (2024-): mentored with Feng Xia.
- Yu Wu, University of Cambridge (2022-): mentored with Cecilia Mascolo.

- **Postgraduate and Undergraduate**

- Selina Lim, Benjamin Hong, Di Zhu, Sung Kyun Chung (UoM, 2025)
- Trevor Adelson, Qiuchi Hu, Jinuo Sun, Jiajun Lu, Jiasheng Xu, Haoguang Zhou, Hongyu Jin (UoM, 2025)

### Alumni

- **Ph.D.**

- Zheng Nan, UNSW (2021-2025): co-supervised with Vidhya Sethu and Beena Ahmed.  
*Current position: Postdoctoral Researcher at UNSW.*
- Jingyao Wu, UNSW (2020-2024): co-supervised with Vidhya Sethu and Eliathamby Ambikairajah.  
*Current position: Postdoctoral Fellow at MIT.*
- Kayla Butkow, University of Cambridge (2021-2023): project mentoring with Prof. Cecilia Mascolo.  
*Current position: CTO & Co-founder at auryx.*
- Tong Xia, University of Cambridge (2021-2023): project mentoring with Prof. Cecilia Mascolo.  
*Current position: Assistant Professor at Tsinghua University.*
- Sotirios Vavaroutas, University of Cambridge (2022): Ph.D. project mentoring with Prof. Cecilia Mascolo.
- Xijia Wei, University College London (2023): Internship mentoring at Nokia Bell Labs.

- **Postgraduate and Undergraduate**

- Wenda Zhang, Shuaixin Xu, Xi Chen (UoM, 2025); Trini Manoj Jeyaseelan (UNSW, 2025)
- Jule Valendo Halim, Xin Hong, Feixiang Zheng, Xuanang Li, Xin Wang (UoM, 2024)
- Tom Quinnell (University of Cambridge, 2021)
- Haobing Zhu, Yang Yu, Jinhao Gu, Anubhuti Gupta (UNSW, 2020)
- Anda Ouyang, Mo Li (UNSW, 2018)

### Teaching

- COMP90089: Machine Learning Applications for Health, 2024-2025 ( 250 students, postgraduate course)
- COMP90049: Introduction to Machine Learning, 2024-2025 ( 250 students, postgraduate course)
- Speech Processing and Machine Learning ( 25 students, postgraduate course)
- Digital Signal Processing ( 15-40 students, undergraduate course)
- Strategic Leadership & Ethics ( 20 students; postgraduate course)
- Electrical Circuits ( 80 students, undergraduate course)
- Design Proficiency ( 60 students, undergraduate course)