Ting Dang

Senior Lecturer, University of Melbourne, Australia

Speech and Audio Processing | Trustworthy Deep Learning | Time Series Modelling

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Experience

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

Education

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

Selected Honors

- 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.
- ISCA (International Speech Communication Association) Grant, Interspeech, Stockholm 2017.

Grants and Contracts

- **Benchmarking Auditory Cognitive Reasoning in Audio-Language Models**
  Lead CI, Google Research Fund, $85,000 (2025-2026)
- **AI Centre for the Empowerment of Human Learning**
  Co-CI, Norway National Centre for AI and Learning, $300,000 (2026-2028)
- **Multi-site Human Study on Non-invasive Alcohol Detection using Smart Wearable Technology**
  Co-CI, WHG Fund, $36,000 (2025-2026)
- **Emotional Speech Generation for Intelligent Dialogue Systems**
  Lead CI, Wuhan University Collaborative Seed Grant, ¥50,000 (2025)
- **Multimodal LLMs for Mobile Health**
  Lead CI, OpenAI Researcher Access Grant $16,000 (2024)

Professional Services

- Associate Editor for IEEE Transactions on Affective Computing, IEEE Pervasive Computing, and Computer Speech and Language.
- Area Chair (Senior PC) for ICASSP and AAAI.
- Publicity co-chair for Mobisys 2026 and INTERSPEECH 2026.
- Workshop, Tutorial, and Challenge co-organizer for 10+ leading international conferences.

Selected Publications

[1] 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**.

[2] 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**.

[3] Hong, X., Gong, Y., Sethu, V., Dang, T. AER-LLM: Ambiguity-aware Emotion Recognition Leveraging Large Language Models. **ICASSP 2025**.

[4] 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**.

[5] Dang, T., Han, J., Xia, T., 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**.

[6] 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 2021**.