

Publications by Zhao Ren

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I. BOOK CHAPTERS

- 1) N. Cummins, Z. Ren, A. Mallol-Ragolta, and B. W. Schuller, *Artificial Intelligence in Precision Health*, ch. Chapter 5 – Machine learning in digital health, recent trends, and ongoing challenges, pp. 121–148. Elsevier, 2020

II. GUEST EDITORIALS

- 2) Z. Ren, B. W. Schuller, B. M. Eskofier, T. N. Nguyen, and W. Nejdl, “Guest editorial trustworthy and collaborative AI for personalised healthcare through edge-of-things,” *IEEE Journal of Biomedical and Health Informatics*, pp. 5213–5215, 2023

III. JOURNAL ARTICLES

- 3) T. T. Nguyen, Z. Ren, T. Pham, P. Le Nguyen, Q. V. H. Nguyen, and H. Yin, “A review of instruction-guided image editing,” *Engineering Applications of Artificial Intelligence*, vol. 163, no. 2, pp. 112953 (1–35), 2026
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- 11) T. N. Tam, Z. Ren, T. T. Nguyen, J. Jo, Q. V. H. Nguyen, and H. Yin, “Portable graph-based tumour detection against multimodal heterophily,” *Knowledge-Based Systems*, 2023
- 12) Z. Ren, Y. Chang, W. Nejdl, and B. W. Schuller, “Learning complementary representations via attention-based ensemble learning for cough-based COVID-19 recognition,” *Acta Acustica*, vol. 6, no. 29, pp. 1–5, 2022
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V. DISSERTATION

- 83) Z. Ren, *Deep learning techniques for computer audition*. PhD thesis, Faculty of Applied Computer Science, University of Augsburg, 2022

VI. TECHNICAL REPORTS

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VII. PATENTS

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