

Hui Zhang (张卉)

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SHORT BIO

I'm currently a Ph.D. student at Zhejiang University, advised by *Dr. Kejun Zhang*. My research interests include music information retrieval, affective computing and human-computer interaction.

EDUCATION

Zhejiang University

Hangzhou, China

- Ph.D Student in Digital Art and Design
- College of Computer Science and Technology

September 2016 - Present

- Bachelor of Engineering in Computer Science and Technology
- Chu Kochen Honors College & Computer College

September 2012 - July 2016

Queen Mary University of London

London, UK

- Visiting Ph.D Student in C4DM, supervised by Prof. Nick Bryan-Kinns

September 2019 - September 2020

RESEARCH EXPERIENCE

EEG-Driven Video Emotion Recognition

September 2015 - July 2016

- Assisted with collecting EEG signals from 39 persons while watching videos
- Implemented video emotion analysis using multi-modal data and models

Academic Translation

September 2016 - March 2017

- Participated in the translation work of books (English to Chinese) including *"The Oxford Handbook of Affective Computing"* and *"Positive Computing"*

Research on Music Driven Retail Experiences Empowerment

March 2018 - Present

- Internship in Alibaba-Zhejiang University Joint Institute of Frontier Technologies
- Conducted MIR-related work (e.g., Music Emotion Recognition & Genre Classification)
- Provided music technical support for "Alibaba Wood" (a video generation system for sellers)
- Explored the impacts of music on user shopping behavior

Research on Music Positive Emotional Feedback and Generation Model

May 2017 - Present

- Assisted with establishing a crowdsourcing annotation platform of music
- Created a dataset containing 794 pieces of popular music, as well as the corresponding emotional annotations (Arousal-Valence) and EDA signals from 457 subjects
- Collected and analyzed social comments about music
- Explored the relationship between music-perceived emotion and music-induced emotion

PUBLICATIONS

- [1] **Zhang, H.**, Zhang, K., Cao, Y., Zheng, J., Huang, X., Yang, C., & Sun, L. (2019). A music-driven system for generating apparel display video. *Multimedia Tools and Applications*.
- [2] Xing B, **Zhang H**, Zhang K, et al. Exploiting EEG Signals and Audiovisual Feature Fusion for Video Emotion Recognition[J]. *IEEE Access*, 2019, 7: 59844-59861.
- [3] Guanghao Yin, Shouqian Sun, **Hui Zhang**, Chao Li, and Kejun Zhang. User Independent Emotion Recognition with Residual Signal-Image Network. 2019 ICIP.
- [4] Kejun Zhang, **Hui Zhang**, Simeng Li, Changyuan Yang, and Lingyun Sun. 2018. The PMEmo Dataset for Music Emotion Recognition. In *Proceedings of the 2018 ACM on International Conference on Multimedia Retrieval (ICMR '18)*. ACM, New York, NY, USA, 135-142.
- [5] Kejun Zhang, Baixi Xing, Lekai Zhang, **Hui Zhang**, Music Affective Computing for Wellbeing, ACM CHI'16 Workshop on Computing and Mental Health, 2016.5.7-12.