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   *September 2016 - Present*
• College of Computer Science and Technology

• Bachelor of Engineering in Computer Science and Technology   *September 2012 - July 2016*
• Chu Kochen Honors College & Computer College

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 comtaining 794 pieces of popular music, as well as the corresponding
  emotional annotations (Arousal-Valence) and EDA signals from 457 subjects
• Collected and analyzed soical comments about music
• Explored the relationship between music-perceived emotion and music-induced emotion

PUBLICATIONS

[1] 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.

[2] Yang, Q., Liu, S., Zhang, K., **Zhang, H.**, & Peng, K. Propaganda and the Favorable Implicit Attitude toward Power in China, Paper presented at the Society for Personality and Social Psychology's Annual Convention, 2017.1.19-2017.1.22, San Antonio, TX.

[3] 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.

[4] 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.

[5] Guanghao Yin, Shouqian Sun, **Hui Zhang**, Chao Li, and Kejun Zhang. User Independent Emotion Recognition with Residual Signal-Image Network. 2019 26th IEEE International Conference on Image Processing (ICIP).