

# XINGXUN JIANG

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## EDUCATION

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### **Southeast University, China**

*Sept. 2018 - Present*

**Ph.D. Candidate** in Biomedical Engineering (Mar. 2021 - Present) and **M.Sc.** in Biomedical Engineering (Neural Information Engineering) (Sept. 2018 - Mar. 2021), Affective Information Processing Lab (**AIPL**), advised by **Prof. Wenming Zheng**.

Research project: Facial Expression Recognition in the Wild.

### **Nanjing University of Posts and Telecommunications, China**

*Sept. 2013 - Jun. 2017*

**B.Sc.** in Smart Grid Information Engineering, i.e., a branch of Electrical Engineering, supervised by **Dr. Yingjun Wu**.

Thesis title: The Optimization Design of Electrical Vehicle Charging Path.

## RESEARCH INTERESTS

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**Computer Vision:** Affective Computing, Biometrics, Pattern Recognition

**Machine Learning:** Graph Neural Network, Deep Learning.

## HONORS AND AWARDS

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**Excellent Volunteer**, Southeast University

*2021*

**Merit Student**, Southeast University

*2021*

**Chien-Shiung Wu BME Scholarship**, Southeast University

*2020*

The 7<sup>th</sup> EmotiW Challenge: **1st place in Audio-Video based Emotion Recognition**

*2019*

**The Third Prize**, The 15<sup>th</sup> National Post Graduate Mathematical Contest in Modeling

*2018*

The **First Academic Scholarship**, Southeast University

*2018*

**Honorable Mentioned**, Mathematical Contests in Modeling (MCM/ICM)

*2015*

## PUBLICATIONS

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**Google Scholar:** [https://scholar.google.com/citations?hl=zh-CN&user=Ls\\_VNecAAAAJ](https://scholar.google.com/citations?hl=zh-CN&user=Ls_VNecAAAAJ)

**Semantic Scholar:** <https://www.semanticscholar.org/author/Xingxun-Jiang/1387822126>

**dblp:** <https://dblp.org/pid/251/0975.html>

**ORCID:** 0000-0002-2139-8623

### Top-tier Vision Conference Papers

[C1] Xingxun Jiang, Yuan Zong, Wenming Zheng, Chuangao Tang, Wanchuang Xia, Cheng Lu, and Jiateng Liu, "DFEW: A Large-Scale Database for Recognizing Dynamic Facial Expressions in the Wild", *The ACM 28th Conference on Multimedia (ACM MM2020)*, 2020.

### Other Journal Papers

[J1] Xilei Zhang, Xingxun Jiang, Xiangyong Yuan, and Wenming Zheng, "Attentional focus modulates automatic finger-tapping movements", *Scientific Reports*, Vol.11, No.1, pp.1-13, 2021.

### Other Conference Papers

[C1] Sunan Li, Wenming Zheng, Yuan Zong, Cheng Lu, Chuangao Tang, Xingxun Jiang, Jiateng Liu, and Wanchuang Xia, "Bi-modality Fusion for Emotion Recognition in the Wild," *The 21th ACM International Conference on Multimodal Interaction (ICMI2019)*, 2019.

[C2] Wanchuang Xia, Wenming Zheng, Yuan Zong, and Xingxun Jiang, “Motion Attention Deep Transfer Network for Cross-Database Micro-Expression Recognition”, *ICPR Workshop on Facial and Body Expressions, micro-expressions and behavior recognition (FBE2020)*, 2020.

### Technical Reports

[T1] Xingxun Jiang, Yuan Zong, and Wenming Zheng, ”Seeking Salient Facial Regions for Cross-Database Micro-Expression Recognition”, *in arXiv*, 2021

## CHINESE PATENTS

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### Granted

[P1] Wenming Zheng, Xingxun Jiang, Yuan Zong, and Wanchuang Xia, “A Method and A Device based on Facial Local Region Learning for Cross-Dataset Micro-Expression Recognition”. *ZL 2019 1 0706550.8*

### Under Substantive Examination

[P1] Wenming Zheng, Xingxun Jiang, Yuan Zong, and Wanchuang Xia, “A Method and A Device based on EC-STFL loss function for Dynamic Facial Expression Recognition in the Wild”, *202010831485.4*.

[P2] Yuan Zong, Lin Jiang, Jiacheng Zhang, Wenming Zheng, Xingxun Jiang, and Jiateng Liu, “A Method and A Device based on Joint Distributed Least Squares Regression for Cross-Dataset Speech Emotion Recognition”, *202010372728.2*.

[P3] Wenming Zheng, Yang Li, Xingxun Jiang, Yuan Zong, and Sunan Li, “A Method and A Device based on Transferable Attention Neural Network for EEG Emotion Recognition”, *202010030240.1*.

[P4] Yuan Zong, Xingxun Jiang, Wenming Zheng, Yang Li, Cheng Lu, Chuangao Tang, and Sunan Li, “A Method and A Device based on Domain Selection Transfer Regression for Cross-Dataset Micro-Expression Recognition”, *202010030236.5*.

[P5] Wenming Zheng, Yang Li, Xingxun Jiang, and Yuan Zong, “A Method and A Device based on Bihemispheric Difference Model for EEG Emotion Recognition”, *201911343069.3*.

[P6] Wenming Zheng, Wanchuang Xia, Yuan Zong, Xingxun Jiang, Cheng Lu, and Jiateng Liu, “A Method and A Device based on Optical Flow Attention Neural Network for Cross-Dataset Micro-Expression Recognition”, *201910756936.X*.

### Accepted

[P1] Wenming Zheng, Chongli Chang, Xingxun Jiang, “A Method and A device based on Spatio-Temporal Feature Fusion Model for EEG Emotion Recognition”

## RESEARCH PROJECT

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[R1] Temporal Dynamic Expression/Micro-Expression Recognition, *the National Key Research and Development Program of China under Grant 2018YFB1305200*, Participated, 2019-2022.

[R2] Action Intention and Emotion Interpretation in Advanced Brain Computer Interaction, *the National Basic Research Program of China under Grant 2015CB351704*, Participated, 2015-2019.

[R3] Electric Vehicle’s Intelligent Charging Guidance and Charging Station Configuration Optimal Design in Foshan city, *NARI Technology Co. LTD.*, Participated, 2019.

## TEACHING ASSISTANT

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**Journal Reviews**

Reviewer of IEEE Access

**Conference Reviews**

Reviewer of Chinese Conference on Pattern Recognition and Computer Vision (**PRCV**), 2021