Peipei Li

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Biography

Peipei Li is an Associate Professor and Ph.D. Supervisor at the School of Artificial Intelligence, Beijing University of Posts and Telecommunications. Her research interests span Computer Vision, Pattern Recognition, Biometric Recognition, and Multimodal Content Generation and Security. She received the Second Prize of the 2023 China Industry-University-Research Cooperation Innovation Achievement Award (ranked 2/10) and was selected for the Beijing Science and Technology Nova Program. She has published over 30 papers, including NeurIPS, ICLR, CVPR, ICCV, ECCV, ACM MM, EMNLP, and IEEE TIFS. Among these, she is the first or corresponding author of 21 papers, including one Highlight paper and three Oral presentations. She serves as a reviewer for IEEE TPAMI, IEEE TIFS, NeurIPS, CVPR, and ICCV, and was recognized as an Outstanding Reviewer at CVPR 2023.In terms of academic service, she served as Competition Chair of CCBR 2022 and Forum Chair of CCBR 2023 and 2024.

Education

Institute of Automation, Chinese Academy of Sciences

- Ph.D. in Pattern Recognition and Intelligent Systems
- Research direction: Computer Vision, Facial Image Analysis

Experience

Associate Professor, Beijing University of Posts and Telecommunications

Awards

- **CVPR 2023 Outstanding Reviewer**
- **Second Prize, 2023 China Industry-University-Research Cooperation Innovation Achievement Award(2/10)**
- **Beijing Science and Technology Nova (2021)**
- **Outstanding Graduate Award**, Shandong Province (Undergraduate)

Publications

Selected publications (# Corresponding Author and Primary Advisor):

Conference Papers:

- Xuannan Liu, Zekun Li, Zheqi He, **Peipei Li#**, et al. **"Video-safetybench: A Benchmark for Safety Evaluation of Video LVLMs."** *NeurIPS 2025 DB Track*

- Xuannan Liu, Zekun Li, **Peipei Li#**, et al. **"MMFakeBench: A Mixed-Source Multimodal Misinformation Detection Benchmark for LVLMs."** *ICLR 2025*

- Zhaoran Zhao, Peng Lu#, Anran Zhang, **Peipei Li**, et al. **"Can Machines Understand Composition? Dataset and Benchmark for Photographic Image Composition Embedding and Understanding."** Submitted to *CVPR 2025*

- Chenghanyu Zhang, Zekun Li, **Peipei Li#**, et al. **"SpineBench: Benchmarking Multimodal LLMs for Spinal Pathology Analysis."** *ACM MM 2025 DB Track*

- Dongsen Zhang, **Peipei Li**, Zekun Li, et al. **"Eye Movements as Images: A Multimodal Framework for Eye Movements Representation."** *ICASSP 2025*

- Xing Cui, **Peipei Li#**, Zekun Li, et al. **"Localize, Understand, Collaborate: Semantic-Aware Dragging via Intention Reasoner."** *NeurIPS 2024*

- Xuannan Liu, **Peipei Li#**, Huaibo Huang, et al. **"FKA-Owl: Advancing Multimodal Fake News Detection through Knowledge-Augmented LVLM."** *ACM MM 2024*

- Xing Cui, **Peipei Li#**, Huaibo Huang, et al. **"InstaStyle: Inversion Noise of a Stylized Image is Secretly a Style**

Adviser." *ECCV 2024*

- Zengbin Wang, Saihui Hou, Man Zhang#, et al. **Peipei Li**, et al. **"QAGait: Revisit Gait Recognition from a Quality Perspective."** *AAAI 2024*

- Chenyang Li, Zhili Zhang, **Peipei Li#**, et al. **"I3FDM: Iris Inpainting via Inverse Fusion of Diffusion Models."** *ICASSP 2024*

- Qianrui Teng, Rui Wang, Xing Cui, **Peipei Li#**, et al. **"Exploring 3D-aware Lifespan Face Aging via Disentangled Shape-Texture Representations."** *ICME 2024*

- **Peipei Li**, Rui Wang, Huaibo Huang, et al. **"Pluralistic Aging Diffusion Autoencoders."** *ICCV 2023*

- Rui Wang, **Peipei Li#**, Huaibo Huang, et al. **"Learning-to-Rank Meets Language: Boosting Language-Driven Ordering Alignment for Ordinal Classification."** *NeurIPS 2023*

- Xing Cui, Zekun Li, **Peipei Li#**, et al. **"CHATEDIT: Towards Multi-turn Interactive Facial Image Editing via Dialogue."** *EMNLP 2023*

- Yiwei Ru, **Peipei Li**, Muyi Sun, et al. **"Sensing Micro-Motion Human Patterns using Multimodal mmRadar and Video Signal for Affective and Psychological Intelligence."** *ACM MM 2023*

- Yubo Huang, Jia Wang, **Peipei Li**, et al. **"Generative Iris Prior Embedded Transformer for Iris Restoration."** *ICME 2023*

- Yufeng Xia, **Peipei Li**, Jia Wang, et al. **"Hierarchical Iris Image Super Resolution based on Wavelet Transform."** *IPMV 2022*

- Yinglu Liu, **Peipei Li**, Xin Tong, et al. **"The 2nd 106-Point Lightweight Facial Landmark Localization Grand Challenge."** *ICPR 2021*

- **Peipei Li**, Huaibo Huang, Yibo Hu, et al. **"Hierarchical Face Aging Through Disentangled Latent Characteristics."** *ECCV 2020*

- **Peipei Li**, Yinglu Liu, Hailin Shi, et al. **"Dual-Structure Disentangling Variational Generation for Data-Limited Face Parsing."** *ACM MM 2020*

- **Peipei Li**, Xiang Wu, Yibo Hu, et al. **"M2FPA: A Multi-Yaw Multi-Pitch High-Quality Dataset and Benchmark for Facial Pose Analysis."** *ICCV 2019*

- **Peipei Li**, Yibo Hu, Qi Li, et al. **"Global and Local Consistent Age Generative Adversarial Networks."** *ICPR 2018*

Journal Papers:

- Jia Wang, **Peipei Li#**, Liuyu Xiang, et al. **"FDNet: A Frequency-Aware Decomposition Network for Robust Face Super-Resolution Against Adversarial Attacks."** *IEEE Transactions on Information Forensics and Security*

- Xuannan Liu, Yaoyao Zhong, Xing Cui, et al., **Peipei Li#**, et al. **"Advcloak: Customized adversarial cloak for privacy protection."** *Pattern Recognition 2024*

- Lixia Ma, Puning Yang, Yuting Xu, et al., **Peipei Li**, et al. **"Deep learning technology for face forgery detection: A survey."** *Neurocomputing 2024*

- Jia Wang, Liuyu Xiang, Lei Liu, et al., **Peipei Li**, et al. **"Towards Real-World Remote Sensing Image Super-Resolution: A New Benchmark and an Efficient Model."** *IEEE TGRS 2024*

- **Peipei Li**, Xing Cui, Yibo Hu#, et al. **"Bidirectional Knowledge Reconfiguration for Lightweight Point Cloud Analysis."** *IEEE TMM 2023*

- **Peipei Li**, Xiyan Liu#, Zhouji Huang, et al. **"Progressive generation of 3D point clouds with hierarchical consistency."** *Pattern Recognition 2023*

- Gengyun Jia*, **Peipei Li***, Ran He#. **"Theme-Aware Aesthetic Distribution Prediction With Full-Resolution Photographs."** *IEEE TNNLS 2022*

- **Peipei Li**, Yibo Hu, Xiang Wu, et al. **"Deep Label Refinement for Age Estimation."** *Pattern Recognition 2020*

- **Peipei Li**, Yibo Hu, Ran He#, Zhenan Sun. **"Global and Local Consistent Wavelet-Domain Age Synthesis."** *IEEE TIFS 2018*

Preprints:

- Xing Cui, Yueying Zou, Zekun Li, **Peipei Li#**, et al. **"T^{2}Agent A Tool-augmented Multimodal Misinformation Detection Agent with Monte Carlo Tree Search."** Submitted to *AAAI 2025*

- Yueying Zou, **Peipei Li#**, Zekun Li, et al. **"Survey on AI-Generated Media Detection: From Non-MLLM to MLLM."** Submitted to *IJCV 2025*
- Qianrui Teng, Xing Cui, Xuannan Liu, **Peipei Li#**, et al. **"ID-Cloak: Crafting Identity-Specific Cloaks Against Personalized Text-to-Image Generation."** Submitted to *ICML 2025*
- Xuannan Liu, Xing Cui, **Peipei Li#**, et al. **"Jailbreak Attacks and Defenses against Multimodal Generative Models: A Survey."** Submitted to *IJCV 2025*
- Rui Wang, Hailong Guo, Jiaming Liu, et al., **Peipei Li#**. **"StableGarment: Garment-Centric Generation via Stable Diffusion."** Submitted to *IJCV 2024*

Services

Conference Leadership:
- Competition Committee Chair, CCBR 2022
- Forum Chair, CCBR 2023
- Forum Chair, CCBR 2024
- Meta-Reviewer, ICCV Workshop 2021

Competition Organization:
- Organizing Committee Member, ICPR 2020 Keypoint Challenge
- Organizing Committee Member, CCBR 2022 Extreme Vision Behavioral Feature Recognition Competition

Academic Service:
- **Conference reviewer:** ICML, NeurIPS, ICLR, CVPR, ICCV, ECCV, AAAI, ACM MM
- **Journal reviewer:** IEEE TPMAI, IEEE TIFSIEEE TIP, PR