

Peipei Li

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Biography

Peipei Li is currently an Associate Professor and Doctoral Supervisor at the School of Artificial Intelligence, Beijing University of Posts and Telecommunications. She received her Ph.D. degree from National Laboratory of Pattern Recognition (NLPR), Institute of Automation, Chinese Academy of Sciences (CASIA). Her research primarily focuses on multimodal content generation and security. Previously, she also worked on facial analysis and synthesis. She was awarded as an Outstanding Reviewer at CVPR 2023 and received the Second Prize of the 2023 China Industry-University- Research Cooperation Innovation Achievement Award. She has published over 30 research papers in top-tier international conferences and journals, including NeurIPS, ICLR, CVPR (Highlight), ICCV, ECCV (Oral), ACM MM, EMNLP, IEEE TIFS, PR, and IEEE TMM, among which more than 20 were published as the first author or corresponding author. She has also served as a long-term reviewer for prestigious international journals and conferences such as IEEE TPAMI, TIP, TIFS, NeurIPS, CVPR, and ICCV. She was recognized as an Outstanding Reviewer at CVPR 2023, served as the Competition Committee Chair of CCBR 2022, and the Forum Chair of CCBR 2023 and 2024. She is currently a member of the Visual Big Data Technical Committee of the Chinese Society of Image and Graphics and a member of the Pattern Recognition Technical Committee of the Chinese Association for Artificial Intelligence.

Education

Institute of Automation, Chinese Academy of Sciences Sep 2016 - Jun 2021

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

Experience

Associate Professor, Beijing University of Posts and Telecommunications Aug 2021 - Present

- Developed and taught graduate-level courses in AI security.
- Mentored 4 PhD and 5 Master's students in research.
- Led research on multimodal content generation, detection and model security.

Awards

- **CVPR 2023 Outstanding Reviewer**
- **Second Prize**, 2023 China Industry-University-Research Cooperation Innovation Achievement Award(2/10)
- **Teacher Qualification Certificate**, Beijing Municipal Education Commission (2022)
- **Beijing Science and Technology Nova (2021)**
- **First-Class Climbing Scholarship**, Institute of Automation, Chinese Academy of Sciences (Graduate)
- **Outstanding Student Award**, University of Chinese Academy of Sciences (Graduate)
- **Outstanding Graduate Award**, Shandong Province (Undergraduate)
- **National Inspirational Scholarship**, Ministry of Education (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*
- 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**, Muiy 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. “**T²Agent 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*
- 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*
- 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 TIP, TNNLS, PR