



Xuejin Chen

Professor, Ph. D.

Department of Electronic Engineering and Information Science (EEIS)
University of Science and Technology of China (USTC)
96 Jinzhai Road, Hefei, Anhui, 230026 China
Mobile: (+86)18605519702 Email: xjchen99@ustc.edu.cn

EDUCATION:

- 1999-2003 Ph. D. Major: Computer Graphics
Dept. of Electronic Science and Technology, University of Science and Technology of China
- 2003-2008 Bachelor,
Dept. of Electronic Science and Technology, University of Science and Technology of China

WORK EXPERIENCE:

- Jan. 2022 - Present Professor,
School of Information Science, University of Science and Technology of China
- Aug. 2010 - Dec. 2021 Associate Professor,
School of Information Science, University of Science and Technology of China
- Feb. 2017 - Aug. 2017 Visiting Associate Professor,
Dept. of Computer Science, Stanford University
- Nov. 2008 - Aug. 2010 Postdoctoral Researcher, CS Department, Yale University

HONORS AND AWARDS:

- Recipient of the award of “**SHI Qingyun Female Scientist**” of Chinese Society of Image and Graphics (CSIG), 2022.
- Recipient of the award for “**Young Chang Jiang Scholar**” from Ministry of Education, China, 2021.
- **Honorable Mention Award** of the Computational Visual Media Journal, 2019.
- **Best Paper Award** of the 3DMM Workshop, 2024

PROFESSIONAL ACTIVITIES:

- **Guest Editor**, The Visual Computer, Springer, 2022
- **Editorial Board Member** of the Journal of Computer-Aided Design & Computer Graphics, 2023-2027
- **Financial Chair**, 2021 IEEE International Conference on Multimedia and Expo, Shenzhen, China, July 2021.
- **Exhibition and Demo Chair**, 2024 IEEE International Conference on Multimedia and Expo, Niagara Falls, ON, Canada, July 2024.
- **Technical Committee Member** of Siggraph Asia 2024, Pacific graphics 2023 and 2024
- Reviewers for TIP, TMI, TPAMI, TMM, TOG, ICCV, CVPR, Siggraph, etc.

PUBLICATIONS:

Dr. Xuejin Chen has authored **80+** peer-reviewed technical papers and holds **10** granted patents (with an **h-index** of **22** and Google scholar citations **2000+**).

Selected Journal and Conference Papers:

- [1] Jie Zhao, **Xuejin Chen***, Zhiwei Xiong, Zheng-Jun Zha, Feng Wu, Graph Representation Learning for Large-Scale Neuronal Morphological Analysis. *IEEE Trans. Neural Networks Learn. Syst.*, vol. 35(4): 5461-5472, 2024.
- [2] Binxin Yang, **Xuejin Chen***, Chaoqun Wang, Chi Zhang, Zihan Chen, Xiaoyan Sun, Semantics-Preserving Sketch Embedding for Face Generation, *IEEE Transactions on Multimedia*, vol. 25, 8657-8671, 2023.
- [3] Xin Kang, Chaoqun Wang, **Xuejin Chen***, Region-Enhanced Feature Learning for Scene Semantic Segmentation, *IEEE Transactions on Multimedia*, early access, 2023.
- [4] Kaizhi Yang and **Xuejin Chen***, Unsupervised Learning for Cuboid Shape Abstraction via Joint Segmentation from Point Clouds, *ACM Trans. Graph.*, vol. 40(4), 152:1-11, Aug. 2021.
- [5] Chaoqun Wang, **Xuejin Chen***, Shaobo Min, Jiaping Wang, Zheng-Jun Zha, Structure-Guided Deep Video Inpainting, *IEEE Trans. Circuits and Systems for Video Technology*, vol. 31(8), 2953-2965, Aug. 2021.
- [6] **Xuejin Chen**, Chi Zhang, Jie Zhao, Zhiwei Xiong, Zheng-Jun Zha, Feng Wu, Weakly Supervised Neuron Reconstruction from Optical Microscopy Images with Morphological Priors, *IEEE Trans. Medical Imaging*, vol. 40(11), 3205-3216, Nov. 2021.
- [7] **Xuejin Chen**, Xiaotian Chen, Yiteng Zhang, Xueyang Fu, Zheng-Jun Zha, Laplacian Pyramid Neural Network for Dense Continuous-Value Regression for Complex Scenes. *IEEE Trans. Neural Networks Learn. Syst.* 32(11): 5034-5046 (2021)
- [8] Jie Zhao, **Xuejin Chen***, Zhiwei Xiong, Dong Liu, Junjie Zeng, Chaoyu Xie, Yueyi Zhang, Zheng-Jun Zha, Guoqiang Bi, Feng Wu, Neuronal population reconstruction from ultra-scale optical microscopy images via progressive learning, *IEEE Trans. on Medical Imaging*, vol. 39(12), 4034-4046, 2020.
- [9] Kai Cheng, Xiaoxiao Long, Wei Yin, Jin Wang, Zhiqiang Wu, Yuexin Ma, Kaixuan Wang, Xiaozhi Chen, **Xuejin Chen***, UC-NERF: Neural Radiance Field for under-calibrated multi-view cameras, ICLR 2024.
- [10] Kai Cheng, Xiaoxiao Long, Kaizhi Yang, Yao Yao, Wei Yin, Yuexin Ma, Wenping Wang, **Xuejin Chen***, GaussianPro: 3D Gaussian Splatting with Progressive Propagation. ICML 2024
- [11] Qihua Chen, Xuejin Chen, Chenxuan Wang, Yixiong Liu, Zhiwei Xiong, Feng Wu, Learning Multimodal Volumetric Features for Large-Scale Neuron Tracing. AAAI 2024: 1174-1182
- [12] Qingyao Shuai, Chi Zhang, Kaizhi Yang, **Xuejin Chen***, DPF-Net: Combining Explicit Shape Priors in Deformable Primitive Field for Unsupervised Structural Reconstruction of 3D Objects. ICCV 2023.
- [13] Chaoqun Wang, Shaobo Min, **Xuejin Chen***, Xiaoyan Sun, Houqiang Li, Dual Progressive Prototype Network for Generalized Zero-Shot Learning. NeurIPS 2021: 2936-2948
- [14] Yuhang Li, **Xuejin Chen***, Binxin Yang, Zhihua Cheng, Zihan Chen, Zheng-Jun Zha, DeepFacePencil: Creating Face Images from Freehand Sketches, *ACM Multimedia* 2020.