

## Assistant Professor FANG, XIAONAN

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### Academic Qualification

Ph.D. in Computer Science and Technology, Tsinghua University, 2023  
B.S. in Computer Science and Technology, Tsinghua University, 2018

### Teaching Area

Digital Logic  
Software Quality and Testing

### Research Area

Image and Video Processing  
Computer Graphics

### Working Experience

2023 - present, Assistant Professor, Faculty of Information Technology, Macau University of Science and Technology, Macau, China

### Academic Publication (selected)

Fang, X. N., & Zhang, S. H. (2023). Learning local contrast for crisp edge detection. *Journal of Computer Science and Technology*, 38(3), 554-566.  
Fang, X., Zhang, S. H., Chen, T., Wu, X., Shamir, A., & Hu, S. M. (2022). User-guided deep human image matting using arbitrary trimaps. *IEEE Transactions on Image Processing*, 31, 1-12.  
Chen, Z., Fang, X. N., & Zhang, S. H. (2022). Local Homography Estimation on User-Specified Textureless Regions. *Journal of Computer Science and Technology*, 37(3), 615-628.  
Wang, M., Fang, X. N., Yang, G. W., Shamir, A., & Hu, S. M. (2020). Prominent structures for video analysis and editing. *IEEE Transactions on Visualization and Computer Graphics*, 26(12), 3615-3628.  
Fang, X., Wang, M., Shamir, A., & Hu, S. M. (2019, October). Learning explicit smoothing kernels for joint image filtering. In *Computer Graphics Forum* (Vol. 38, No. 7, pp. 181-190).

### Professional Society Membership

Member, China Computer Federation (CCF).