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Short Bio

Hang Zhou received his B.S. degree in Communication Engineering from Shanghai University (SHU), Shanghai, China, in 2015. Since Sept. 2015, he has been pursuing a Ph.D. degree in Dept. Information Security, University of Science and Technology of China (USTC), Hefei, China. He has several publications in security related areas, including IEEE Trans. Information Forensics & Security, IEEE Trans. Image Processing, IEEE Trans. Dependable and Secure Computing and IEEE Trans. Multimedia.

Education

- 2011.9 - 2015.6 Bachelor, School of Communication and Information Engineering, Shanghai University, China. (Supervised by Prof. Zhenxing Qian)
- 2015.9 – Present Ph. D. Student, Dep. Information Security, University of Science and Technology of China, China. (Supervised by Prof. Weiming Zhang and Prof. Nenghai Yu)

Experience

- 2017.10 - 2018.1 Student intern, Machine Learning Group (ML-3) in Microsoft Research Asia. (Supervised by lead researcher Taifeng Wang)

Publication

Journal papers

- *Hang Zhou*, Kejiang Chen, Weiming Zhang, Yuanzhi Yao and Nenghai Yu, “Distortion Design for Secure Adaptive 3D Mesh Steganography,” IEEE Transactions on Multimedia (TMM), 2018.
- Han Fang, Weiming Zhang, *Hang Zhou*, Hao Cui and Nenghai Yu, “Screen-Shooting Resilient Watermarking,” IEEE Transactions on Information Forensics and Security (TIFS), 2018.
- Weiming Zhang, Wenbo Zhou, Weixiang Li, Kejiang Chen, *Hang Zhou*, and Nenghai Yu, “Controversial ‘Pixel’ Prior Rule for JPEG Adaptive Steganography,” IET Image Processing, 2018.
- Kejiang Chen, *Hang Zhou*, Wenbo Zhou, Weiming Zhang and Nenghai Yu, “Defining Cost Functions for Adaptive JPEG Steganography at the Microscale,” IEEE Transactions on Information Forensics and Security (TIFS), 2018.
- Han Fang, *Hang Zhou*, Zehua Ma, Weiming Zhang and Nenghai Yu, “A Robust Image Watermarking Scheme in DCT Domain Based on Adaptive Texture Direction Quantization,” Multimedia Tools and Applications (MTA), 2018.
- Mohsin Shah, Weiming Zhang, Honggang Hu, *Hang Zhou*, Toqeer Mahmood, “Homomorphic

Encryption-Based Reversible Data Hiding for 3D Mesh Models”, *Arabian Journal for Science and Engineering (AJSE)*, 2018.

- *Hang Zhou*, Kejiang Chen, Weiming Zhang, Zhenxing Qian, and Nenghai Yu, “Targeted Attack and Security Enhancement on Texture Synthesis Based Steganography,” *Journal of Visual Communication and Image Representation (JVCIR)*, 2018.
- Ruiqi Jiang, *Hang Zhou*, Weiming Zhang and Nenghai Yu, “Reversible Data Hiding in Encrypted Three-Dimensional Mesh Models,” *IEEE Transactions on Multimedia (TMM)*, 2017.
- *Hang Zhou*, Kejiang Chen, Weiming Zhang, Nenghai Yu, “Comments on ‘Steganography Using Reversible Texture Synthesis’,” *IEEE Transactions on Image Processing (TIP)*, 2017.
- Zhenxing Qian, *Hang Zhou*, Xinpeng Zhang, Weiming Zhang, “Separable Reversible Data Hiding in Encrypted JPEG Bitstreams,” *IEEE Transactions on Dependable and Secure Computing (TDSC)*, 2016.

Conference papers

- Zhenxing Qian, *Hang Zhou*, Weiming Zhang, Xinpeng Zhang, “Robust Steganography Using Texture Synthesis,” *Advances in Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP)*, 2017.
- Jiajia Xu, *Hang Zhou*, Weiming Zhang, Ruiqi Jiang, Guoli Ma, Nenghai Yu, “Second Order Predicting-Error Sorting for Reversible Data Hiding,” *International Workshop on Digital Watermarking (IWDW)*, 2016.
- Kejiang Chen, Weiming Zhang, *Hang Zhou*, Nenghai Yu, Guorui Feng, “Defining cost functions for adaptive steganography at the microscale,” *IEEE International Workshop on Information Forensics and Security (WIFS)*, 2016.