

Hang ZHOU

Curriculum Vitae

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Work Experience

- 01/2021– **Postdoc Researcher**, GRUVI LAB, Simon Fraser University, Vancouver.
Present Collaborated with Hao (Richard) Zhang. Research in scene composition and geometric shape generation.
- 10/2017– **Research Intern**, MACHINE LEARNING GROUP, Microsoft Research Asia, Beijing.
- 01/2018 Supervised by Taifeng Wang. Research in generative adversarial networks for deep hiding.

Education

- 2015–2020 **PhD of Cyberspace Security**, University of Science and Technology of China.
- 2011–2015 **Bachelor of Communications Engineering**, Shanghai University.

PhD Dissertation

- Title *Research on Models and Methods of 3D Steganography*
- Supervisors Nenghai Yu and Weiming Zhang

Publications

- ★ **Hang Zhou**, Rui Ma, Ling-Xiao Zhang, Lin Gao, Ali Mahdavi-Amiri, Hao Zhang, SAC-GAN: Structure-Aware Image Composition, *TVCG*, 2023.
- ★ Qichao Ying, **Hang Zhou**, Zhenxing Qian, Sheng Li, Xinpeng Zhang, Learning to Immunize Images for Tamper Localization and Self-Recovery, *TPAMI*, 2023.
- ★ Zehua Ma, **Hang Zhou**, Weiming Zhang, AnisoTag: 3D Printed Tag on 2D Surface via Reflection Anisotropy, *CHI*, 2023.
- ★ **Hang Zhou**, Kejiang Chen, Zehua Ma, Feng Wang, Weiming Zhang, Triangle Mesh Watermarking and Steganography, *Springer Nature*, 2022.
- ★ Qidong Huang, Xiaoyi Dong, Dongdong Chen, **Hang Zhou**, Weiming Zhang, Nenghai Yu, Shape-invariant 3D Adversarial Point Clouds, *CVPR*, 2022.
- ★ **Hang Zhou**, Weiming Zhang, Kejiang Chen, Weixiang Li, Nenghai Yu, Three-Dimensional Mesh Steganography and Steganalysis: A Review, *TVCG*, 2021.
- ★ Kunlin Liu, Dongdong Chen, Jing Liao, Weiming Zhang, **Hang Zhou**, Jie Zhang, Wenbo Zhou, Nenghai Yu, JPEG Robust Invertible Grayscale, *TVCG*, 2021.

- ★ **Hang Zhou**, Dongdong Chen, Jing Liao, Kejiang Chen, Xiaoyi Dong, Kunlin Liu, Weiming Zhang, Gang Hua, Nenghai Yu, LG-GAN: Label Guided Adversarial Network for Flexible Targeted Attack of Point Cloud-based Deep Networks, *CVPR*, 2020.
- ★ Xiaoyi Dong, Dongdong Chen, **Hang Zhou**, Gang Hua, Weiming Zhang, Nenghai Yu, Self-Robust 3D Point Recognition via Gather-vector Guidance, *CVPR*, 2020.
- ★ **Hang Zhou**, Kejiang Chen, Weiming Zhang, Han Fang, Wenbo Zhou, Nenghai Yu, DUP-Net: Denoiser and Upsampler Network for 3D Adversarial Point Clouds Defense, *ICCV*, 2019.
- ★ **Hang Zhou**, Kejiang Chen, Weiming Zhang, Chuan Qin, Nenghai Yu, Feature-Preserving Tensor Voting Model for Mesh Steganalysis, *TVCG*, 2019.
- ★ **Hang Zhou**, Kejiang Chen, Weiming Zhang, Yuanzhi Yao, Nenghai Yu, Distortion Design for Secure Adaptive 3D Mesh Steganography, *TMM*, 2018.
- ★ **Hang Zhou**, Kejiang Chen, Weiming Zhang, Nenghai Yu, Comments on 'Steganography Using Reversible Texture Synthesis', *TIP*, 2017.
- ★ Ruiqi Jiang, **Hang Zhou**, Weiming Zhang, Nenghai Yu, Reversible Data Hiding in Encrypted Three-Dimensional Mesh Models, *TMM*, 2017.

Services

- ★ Reviewer for ICLR2020, CVPR2021, NeurIPS2021, IJCAI2021, AAAI2021, ICLR2021, CVPR2022, NeurIPS2022, ICML2022, AAAI2022, IJCAI2022, ECCV2022, ICLR2022, IJCAI 2023, ICLR2023, CVPR2023, ICML2023, ICCV2023, NeurIPS2023
- ★ Reviewer for TPAMI, TVCG, TIP, TIFS, TNNLS, TCSVT, TASLP, PRL, SPL

Awards & Honors

- 2021 Best Paper Award, International Workshop on Safety & Security of Deep Learning
- 2021 Outstanding Doctoral Dissertation, Chinese Academy of Sciences (CAS)
- 2021 SIGWEB Outstanding Doctoral Dissertation, ACM China
- 2020 Outstanding Graduate, Anhui Province
- 2020 The President Scholarship, Chinese Academy of Sciences (CAS)
- 2019 National Scholarship for Doctoral Students, China
- 2018 Cyberspace Security Scholarship, China