

## Selected Papers of Zhenxing Qian

### 1) Multimedia Forensics

- G. Luo, M. Zhang, Y. Ma, S. Li, **Z. Qian\***, and X. Zhang, Forward Creation, Reverse Selection: Achieving Highly Pertinent Multimodal Responses in Dialogue Context, in *Proceedings of the 32st ACM International Conference on Information & Knowledge Management*, 2023.
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- X. Hu, Q. Ying, **Z. Qian\***, S. Li, and X. Zhang, DRAW: Defending Camera-shooted RAW against Image Manipulation, *International Conference on Computer Vision (ICCV 2023)*, Paris, France, Oct. 2-6, 2023
- Q. Ying, J. Liu, S. Li, H. Xu, **Z. Qian\***, and X. Zhang, RetouchingFFHQ: A Large-scale Dataset for Fine-grained Face Retouching Detection, *MM '23: Proceedings of the 30th ACM International Conference on Multimedia*, 2023.
- H. Wang, S. Li, S. Cao, R. Yang, J. Zeng, **Z. Qian**, and X. Zhang, On Physically Occluded Fake Identity Document Detection, *MM '23: Proceedings of the 30th ACM International Conference on Multimedia*, 2023.
- Q. Ying, X. Hu, Y. Zhou, **Z. Qian\***, D. Zeng, and S. Ge, Bootstrapping Multi-view Representations for Fake News Detection, *Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI-23)*, 2023
- Z. Yuan, Z. You, S. Li, **Z. Qian\***, X. Zhang, A. Kot, On Generating Identifiable Virtual Faces, *MM '22: Proceedings of the 29th ACM International Conference on Multimedia*, 2022, accepted.
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- Q. Ying, H. Zhou, X. Hu, **Z. Qian\***, S. Li, and X. Zhang, Image Protection for Robust Cropping Localization and Recovery, *IEEE International Conference on Multimedia and Expo (ICME)*, 2023
- Y. Zhou, Q. Ying, Y. Yang, **Z. Qian\***, X. Zhang, Multimodal Fake News Detection via CLIP-Guided Learning, *IEEE International Conference on Multimedia and Expo (ICME)*, 2023
- B. Zhang, S. Li, G. Feng, **Z. Qian**, and X. Zhang, Patch Diffusion: A General Module for Face Manipulation Detection, *the Thirty-Sixth AAAI Conference on Artificial Intelligence (AAAI-22)*, Vancouver, Canada, Feb. 22, 2022

- S. Li, X. Zhu, G. Feng, X. Zhang, **Z. Qian**, Diffusing the liveness cues for face anti-spoofing, *MM '21: Proceedings of the 29th ACM International Conference on Multimedia*, October 2021, pp 1636-1644
- **Z. Qian**, and X. Zhang, Improved anti-forensics of JPEG compression, *Journal of Systems & Software*, 91: 100-108, 2014.

## 2) Neural Network & Security

- Y. Guo, N. Zhong, **Z. Qian\***, and X. Zhang, Physical Invisible Backdoor Based on Camera Imaging, *MM '23: Proceedings of the 30th ACM International Conference on Multimedia*, 2023.
- J. Tan, N. Zhong, **Z. Qian\***, X. Zhang, and Li, Deep Neural Network Watermarking against Model Extraction Attack, *MM '23: Proceedings of the 30th ACM International Conference on Multimedia*, 2023.
- M. Zhang, G. Luo, Y. Ma, S. Li, **Z. Qian\***, X. Zhang, VCMaster: Generating Diverse and Fluent Live Video Comments Based on Multimodal Contexts, *MM '23: Proceedings of the 30th ACM International Conference on Multimedia*, 2023.
- J. Lu, S. Li, K. Bao, P. Wang, **Z. Qian**, S. Ge, Federated Learning with Label-Masking Distillation, *MM '23: Proceedings of the 30th ACM International Conference on Multimedia*, 2023.
- Y. Zeng, J. Tan, Z. You, **Z. Qian\***, X. Zhang, Watermarks for Generative Adversarial Network Based on Steganographic Invisible Backdoor, *IEEE International Conference on Multimedia and Expo (ICME)*, 2023
- Y. Xue, Y. Zhu, Z. Zhu, S. Li, **Z. Qian\***, and X. Zhang, Removing Watermarks for Image Processing Networks Via Referenced Subspace Attention, *The Computer Journal*, 2022.
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- G. Liu, S. Li, **Z. Qian\***, and X. Zhang, HF-Defend: Defending Against Adversarial Examples Based on Halftoning, *IEEE 24th International Workshop on Multimedia Signal Processing*, September 26-28, 2022, Shanghai, China.
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### 3) Steganography

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#### 4) Reversible Data Hiding

- Y. Qiu, Q. Ying, Y. Yang, H. Zeng, S. Li, and **Z. Qian\***, High-Capacity Framework for Reversible Data Hiding in Encrypted Image Using Pixel Prediction and Entropy Encoding, *IEEE Transactions on Circuits and Systems for Video Technology*, 2022
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## 5) Digital Watermarking

- G. Liu, Y. Si, **Z. Qian\***, X. Zhang, S. Li, W. Peng, WRAP: Watermarking Approach Robust Against Film-coating upon Printed Photographs, *MM '23: Proceedings of the 30th ACM International Conference on Multimedia*, 2023.
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## 6) Ciphertext, Privacy & Others

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