Ling Du

PERSONAL INFORMATION

Name：Ling Du

Gender: Female

Date of Birth: 03/13/1982

Email: dulingtjpu@gmail.com   duling@tjpu.edu.cn

Tel: (086) 18622259980

Institution: School of Computer Science and Software Engineering, Tianjin Polytechnic University.

Address: No.399, Binshui Western Road , Xiqing District, Tianjin, 300387, P.R.China

RESEARCH INTERESTS

- Robust Watermarking

- Reversible Data Hiding

- Image Authentication

- Privacy Protection

- Tampering Detection and Recovery

EDUCATION AND WORK BACKGROUND

2016.03-now: lecturer, School of Computer Science and Software Engineering, Tianjin Polytechnic University, China

2012.07-2016.12 : Guest Student, State Key Laboratory Of Information Security, Institute of Information Engineering, Chinese Academy of Sciences

(Adviser: Prof. Xiaochun Cao)

2011.09-2016.01 : PhD, Computer Application Technology, Tianjin University, China (Adviser: Prof. Xiaochun Cao)

2007.08-2011.08 : lecturer, School of Computer, Shenyang Aerospace University, China

2004.09-2007.07: M.S. Computer Software and Theory, Liaoning University, China (Adviser: Prof. Xiangbin Shi)

2000.09-2004.07: B.E. Computer Science and Technology, Liaoning University, China

SELECTED PUBLICATIONS

[1] Xiaochun Cao, **Ling Du***, Xingxing Wei, Dan Meng and Xiaojie Guo. High Capacity Reversible Data Hiding in Encrypted Images by Patch-level Sparse Representation. IEEE Transactions on Cybernetics, vol. 46, no. 5, pp.1132-1143, 2016

[2] **Ling Du**, Xiaochun Cao, Wei Zhang, Xinpeng Zhang, Na Liu and Jianguo Wei. Semi-Fragile Watermarking for Image Authentication based on Compressive Sensing. SCIENCE CHINA Information Sciences**,** vol. 59, 2016.

[3] **Ling Du**, Xiaochun Cao, Muhua Zhang, Huazhu Fu: Blind Robust Watermarking Mechanism Based on Maxima Curvature of 3D Motion Data. Information Hiding: 14th International Conference, IH 2012, Berkeley, CA, USA:110-124.

[4] **Ling Du,** Yuhang Li. Privacy Preserving for Human Object in Video Surveillance via Visual Cryptography. International Conference on Security, Pattern Analysis, and Cybernetics (SPAC), Oct 18. 2014 :80-85.

[5] Yuhang Li, **Ling Du*,**. Semi-Fragile Watermarking for Image Tamper Localization and Self-Recovery. International Conference on Security, Pattern Analysis, and Cybernetics (SPAC), Oct 18. 2014 : 328 – 333.

[6] Xiaochun Cao, Meili Ma, Xiaojie Guo, **Ling Du**, Dongdai Lin. A New Encryption Scheme for Surveillance Videos. Frontiers of Computer Science. 2015, 9(5):765–777

[7] Xiaochun Cao, Siyuan Li, Feng Jiang, Hua Zhang, **Ling Du**, and Xiangui Kang, Device Identification Based On H.264 Cues, IEEE China Summit and International Conference on Signal and Information Processing. July 9, 2014: 607-610.

PROJECT EXPERIENCES

[1] (Project Leader) "Research on Image Authentication Algorithm based on Perceptual Hashing", The National Natural Science Foundation of China (NSFC), 2017.01-2019.12

[2] (Project Leader) "Research on Privacy Protection for Video Surveillance", Foundation of Tianjin Polytechnic University, 2016.04 -2019.04

[3] (Principal Participator) "Research on LP envelop-modulation based speech watermarking and tamper detection", The National Science Foundation of Tianjin, 2017/04 - 2020/03.