**Dr. Li Yuanman** **(李元满)** **深圳大学**

李元满，博士，电子与信息工程学院助理教授，IEEE会员。于2012年获重庆大学软件工程专业学士。毕业后以全额奖学金推免到澳门大学，并分别于2015年和2018年获得澳门大学软件工程硕士和计算机科学博士学位。2018年9月至2019年8月于澳门大学智慧城市物联网国家重点实验室从事博士后研究。2019年9月至今就职于深圳大学电子与信息工程学院。长期从事多媒体信息安全、计算机视觉等领域的科研工作。获评深圳市"孔雀计划"海外高层次人才C类。主持多项国家自然科学基金项目、省部级自然科学基金项目以及上市企业横向项目，在T-IFS, T-SC, T-CSVT, T-MM, T-NNLS, T-NSE, CVPR, ACMMM, AAAI等国际权威期刊和会议上发表文章50余篇，研究成果荣获2022年澳门自然科学奖。担任IEEE Transactions on Image Processing, IEEE Transactions on Information Forensics and Security等多个期刊的审稿人，以及多个国际会议的领域主席。

**Teaching**

* 大数据分析（本科生）
* 专业综合设计（本科生）
* 机器学习（研究生）

**Award and Honor：**

* 澳门科学技术自然科学奖三等奖（排名第二），澳门特别行政区（2022）
* 深圳市优秀科技创新人才，深圳市科技创新委员会（2022）
* 澳门研究生科技研发奖，澳门科学技术发展基金（2018）
* 研究生全额奖学金，澳门大学（2012-2015）
* 重庆大学优秀毕业生，重庆大学（2012）
* 国家奖学金，中华人民共和国教育部（2011）
* 全国大学生数学建模大赛全国二等奖，教育部（2010）

**Positions**

* 招**2024年9月份入学** 计算机科学，软件工程，·电子信息，·数学·等方向研究生若干名
* 招 **博士后 （Postdoc. Position）**若干名（税后32W RMB起）

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New!!! One paper is accepted in **TMM 2023**

New!!! One paper is accepted in **TNNLS 2023**

New!!! One paper is accepted in **TNSE 2023**

New!!! One paper is accepted in **TCSVT 2023**

New!!! One paper is accepted in **ACMMM 2023**

New!!! One paper is accepted in **ICASSP 2023**

New!!! Two papers are accepted in **ICME 2023**

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**Professional Activities and Affiliations**

* Member of IEEE (2018-至今)
* 中国图像图形学会（CSIG）-数字媒体取证与安全专业委员会委员 (2020.11-至今)

**Funding (Principal Investigator)**

* 国家重点实验室开放项目, 2023.01-2024.12, **80,000MOP**.
* 腾讯“犀牛鸟”-青年教师科研基金项目, 2023.01-2024.12, **50,000RMB**.
* CCF-阿里巴巴创新研究计划, 2022.08-2023.07, **300,000RMB**.
* 深圳市优秀科技创新人才项目, 2022.04-2024.04, **300,000RMB**.
* 广东省自然科学基金面上项目, 2022.01-2024.12, **100,000RMB**.
* National Natural Science Foundation of China (NSFC), 2021.01-2022.12, **300,000RMB.**
* Overseas High-Caliber Personnel Fund, 2021.01-2022.12, **2,700,000 RMB.**
* Natural Science Foundation of Guangdong, 2020.01-2021.12, **100,000 RMB.**
* Natural Science Foundation of Shenzhen University, 2020.01-2022.12, **200,000 RMB.**
* 横向项目，2020.07-2021.12，**185,000 RMB.**

**Selected Publications**

(\*Corresponding author)

**JOURNAL**:

[1].**Yuanman Li**, Liangpei Hu, Li Dong, Haiwei Wu, Jinyu Tian, Jiantao Zhou and Xia Li, “Transformer-Based Image Inpainting Detection via Label Decoupling and Constrained Adversarial Training”, ***IEEE Transactions on Circuits and Systems for Video Technology (T-CSVT)***, in press, 2023.

[2].**Yuanman Li**, Ce Xie, Rongqin Liang, Jie Du, Jiantao Zhou and Xia Li, “A Synchronous Bi-Directional Framework With Temporally Dependent Interaction Modeling for Pedestrian Trajectory Prediction”, ***IEEE Transactions on Network Science and Engineering (T-NSE)***, in press, 2023.

[3].Rongqin Liang,**Yuanman Li**\*, Ce Xie, Rongqin Liang, Jie Du, Jiantao Zhou and Xia Li, “STGlow: A Flow-Based Generative Framework With Dual-Graphormer For Pedestrian Trajectory Prediction”, ***IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)***, in press, 2023.

[4].Jie Du, Kai Guan, Yanhong Zhou, **Yuanman Li**\* and Tianfu Wang, “Parameter-Free Similarity-Aware Attention Module for Medical Image Classification and Segmentation”, ***IEEE Transactions on Emerging Topics in Computational Intelligence (T-ETCI)***, pp.845-857, 2023.

[5].Zhongyun Hua, Ziyi Wang, Yifeng Zheng, Yongyong Chen and **Yuanman Li**\*, **IEEE Transactions on Circuits and Systems for Video Technology (T-CSVT)**, pp.1003-1018, 2022.

[6].**Yuanman Li**, Jiaxiang You, Jiantao Zhou, Wei Wang, Xin Liao and Xia Li, “Image Operation Chain Detection with Machine Translation Framework”, ***IEEE Transactions on Multimedia (T-MM)***, in press, 2022.

[7].Jie Du, Kai Guan, Peng Liu,**Yuanman Li**\* and Tianfu Wang, “Boundary-Sensitive Loss Function With Location Constraint for Hard Region Segmentation”, ***IEEE Journal of Biomedical and Health Informatics (JBHI)***, pp.992-1003, 2023.

[8].Junyang Chen, Zhiguo Gong,**Yuanman Li**\*, Huanjian Zhang, Hongyong Yu, JunzhangZhu, Ge Fan, Xiao-Ming Wu and Kaishun Wu, “Meta-Path Based Neighbors for Behavioral Target Generalization in Sequential Recommendation”, ***IEEE Transactions on Network Science and Engineering (T-NSE)***, pp.1658-1667, 2022.

[9].Kuiyuan Zhang, Zhongyun Hua, **Yuanman Li**, Yongyong Chen and Yicong Zhou, “AMS-Net: Adaptive Multi-Scale Network for Image Compressive Sensing”, ***IEEE Transactions on Multimedia (T-MM)***, in press, 2022.

[10].Junyang Chen, Xueliang Li, **Yuanman Li**, Paul Li, Mengzhu Wang, Xiang Zhang, Zhiguo Gong, Kaishun Wu and Victor C.M. Leung, “A Simple Yet Effective Layered Loss for Pre-Training of Network Embedding”, ***IEEE Transactions on Network Science and Engineering (T-NSE)***, pp.1827-1837, 2022.

[11].**Yuanman Li**, Jiantao Zhou and Xia Li, “Robust Matrix Factorization via Minimum Weighted Error Entropy Criterion”, ***IEEE Transactions on Computational Social Systems (T-CSS)***, in press, 2021.

[12].**Yuanman Li**, R. Q. Liang, W. Wei, W. Wang, J. T. Zhou and X. Li, “Temporal Pyramid Network with Spatial-Temporal Attention for Pedestrian Trajectory Prediction”, ***IEEE Transactions on Network Science and Engineering (T-NSE)***, in press, 2021.

[13].**Yuanman Li**, J. T. Zhou, J. Y. Tian, X. W. Zheng and Y. Y .Tang, “Weighted Error Entropy based Information Theoretic Learning for Robust Subspace Representation”, ***IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)***, in press, 2021.

[14].Y. C. Su, J. Du, **Yuanman Li**\*, X. Li, Z. Y. Hua and J. T Zhou, “Trajectory Forecasting Based on Prior-Aware Directed Graph Convolutional Neural Network”, ***IEEE Transactions on Intelligent Transportation Systems (T-ITS)***, in press, 2022.

[15].H. W. Wu, J. T. Zhou and **Yuanman Li**, “Deep Generative Model for Image Inpainting with Local Binary Pattern Learning and Spatial Attention”, ***IEEE Transactions on Multimedia (T-MM)***, 2021.

[16].W. W. Sun, J. T. Zhou, **Yuanman Li**, M. Cheung and J. She, “Robust High Capacity Watermarking over Online Social Network Shared Images”, ***IEEE Transactions on Circuits and Systems for Video Technology (T-SCVT)***, in press, 2021.

[17].Z. Y. Hua, K. Y. Zhang, **Yuanman Li** and Y. C. Zhou, “Visually secure image encryption using adaptive-thresholding sparsification and parallel compressive sensing”, ***Signal Processing***, in press, 2021.

[18].Z. Y. Hua, Z. H. Zhu, Y. Y. Chen and **Yuanman Li** , “Color image encryption using orthogonal Latin squares and a new 2D chaotic system”, ***Nonlinear Dynamics***, in press, 2021.

[19].Z. Y. Hua, J. X. Li, **Yuanman Li** and Y. Y. Chen “Image encryption using value-differencing transformation and modified ZigZag transformation”, ***Nonlinear Dynamics***, in press, 2021.

[20].J. Duan, J. T. Zhou and **Yuanman Li**, “Privacy-Preserving distributed deep learning based on secret sharing”, ***Information Science (Inf. Sci.)***, vol. 527, pp. 108-127, 2020.

[21].J. Duan, J. T. Zhou and **Yuanman Li**, “Secure and Verifiable Outsourcing of Large-scale Nonnegative Matrix Factorization (NMF)”, accepted in ***IEEE Trans. on Services Computing (T-SC)***, 2019.

[22].**Yuanman Li** and J. T. Zhou, “Fast and Effective Image Copy-Move Forgery Detection via Hierarchical Feature Point Matching”, ***IEEE Trans. on Inf. Forensics and Security (T-IFS)***, vol. 14, no. 5, pp. 1307-1322, 2019.

[23].**Yuanman Li**, J. T. Zhou, and A. Cheng, “SIFT Keypoint Removal via Directed Graph Construction for Color Images”, ***IEEE Trans. on Inf. Forensics and Security (T-IFS)***, vol. 12, no. 12, pp. 2971-2985, 2017.

[24].**Yuanman Li**, J. T. Zhou, A. Cheng, X. M. Liu, and Y. Y. Tang, “SIFT Keypoint Removal and Injection via Convex Relaxation”, ***IEEE Trans. on Inf. Forensics and Security (T-IFS)***, vol. 11, no. 8, pp. 1722-1735, 2016.

[25].**Yuanman Li** and J. T. Zhou, “Anti-Forensics of Lossy Predictive Image Compression”, ***IEEE Signal Processing Letters (SPL)***, vol. 22, no. 12, pp. 2219-2223, 2015.

**CONFERENCE**

[1].Yuxuan Tan, **Yuanman Li**\*, Limin Zeng, Jiaxiong Ye, Wei Wang and Xia Li, “Multi-scale Target-Aware Framework for Constrained Image Splicing Detection and Localization”, ***ACM Multimedia (ACM MM-23)***, 2023.

[2].Yingjie He, **Yuanman Li**\*, Changsheng Chen and Xia Li, “Image Copy-Move Forgery Detection via Deep CrossScale PatchMatch”, ***IEEE International Conference on Multimedia and Expo (ICME-23)***, pp.2327-2332, 2023 (oral, top 15% paper).

[3].Minhua Liu, **Yuanman Li**\*, Rongqin Liang, Jiaxiang You and Xia Li, “Multiple Degraded Image Restoration via Degradation History Estimation”, ***IEEE International Conference on Multimedia and Expo (ICME-23)***, pp.528-533, 2023 (oral, top 15% paper).

[4].Jiaxiang You, **Yuanman Li**\*, Rongqin Liang, Yuxuan Tan, Jiantao Zhou and Xia Li, “Image Sharing Chain Detection via Sequence-To-Sequence Model”, ***IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP-23)***, pp.1-6, 2023 (oral, top 15% paper).

[5].Ce Xie, **Yuanman Li**\*, Rongqin Liang, Li Dong and Xia Li, “Synchronous Bi-directional Pedestrian Trajectory Prediction with Error Compensation”, ***Asian Conference on Computer Vision (ACCV-22)***, pp.2796-2812, 2022.

[6].Liangpei Hu, **Yuanman Li**\*,Jiaxiang You, Rongqin Liang and Xia Li, “An Edge-Aware Transformer Framework for Image Inpainting Detection”, ***,International Conference on Artificial Intelligence and Security (ICAIS-22)***, pp.648-660, 2022.

[7].Weipeng Liang, Li Dong, Rangding Wang, Diqun Yan and **Yuanman Li**, “Robust Document Image Forgery Localization Against Image Blending”, ***,IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom-22)***, pp.810-817, 2022.

[8].J. X. You, **Yuanman Li**\*, J. T. Zhou, Z. Y. Hua, W. W. Sun and X. Li, “A Transformer based Approach for Image Manipulation Chain Detection”, ***ACM Multimedia (ACM MM-21)***, 2021.

[9].R. Q. Liang, **Yuanman Li** \*, X. Li, Y. Tang, J. T. Zhou and W. B. Zou, “Temporal Pyramid Network for Pedestrian Trajectory Prediction with Multi-Supervision”, ***AAAI Conference on Artificial Intelligence (AAAI)***, 2021.

[10].J. Y. Tian, J. T. Zhou, **Yuanman Li** and J. Duan, “Detecting Adversarial Examples from Sensitivity Inconsistency of Spatial-Transform Domain”, ***AAAI Conference on Artificial Intelligence (AAAI)***, 2021.

[11].Li Dong, Jie Wang, Rangding Wang, **Yuanman Li** and Weiwei Sun “Towards Image Data Hiding via Facial Stego Synthesis with Generative Model”, ***International Joint Conference on Artificial Intelligence - International Workshop on Safety & Security of Deep Learning (IJCAI -Workshop)***, in press, 2021.

[12]. W. Wang, B. X. Lu, **Yuanman Li**, W. Wei, J. Q. Li, S. Mumtaz and M. Guizani, “Task Scheduling Game Optimization for Mobile Edge Computing”, ***IEEE International Conference on Communications (ICC)***, in press, 2021.

[13].**Yuanman Li**, J. T. Zhou, X. W. Zheng, J. Y. Tian and Y. Y. Tang, “Robust Subspace Clustering with Independent and Piecewise Identically Distributed (i.p.i.d.) Noise Modeling”, ***IEEE Conf. Comput. Vis. and Pattern Recogn. (CVPR)***, 2019 (Oral, AR 5.6%).

[14].H.W.WU, J.T. Zhou, **Yuanman Li**, “Image Reconstruction from Local Descriptors Using Conditional Adversarial Networks“, *In Proceedings of APSIPA Annual Summit and Conference (ASC-2019)*, 2019. (**Oral**)

[15].**Yuanman Li** and J. T. Zhou, “Image Copy-Move Forgery Detection Using Hierarchical Feature Point Matching”, *In Proceedings of APSIPA Annual Summit and Conference (ASC-2016)*, 2016. (**Oral**)

[16].J. Duan, J. T. Zhou, and **Yuanman Li**, “Secure and Verifiable Outsourcing of Nonnegative Matrix Factorization (NMF)”, *In Proceedings of ACM Workshop on Information Hiding and Multimedia Security (IH&MMSec-16)*, 2016.

[17].Y. Y. Li, J. T. Zhou, and **Yuanman Li**, “Ciphertext-Only Attack on an Image Homomorphic Encryption Scheme with Small Ciphertext Expansion”, *In Proceedings of ACM Multimedia (ACM MM-15)*, 2015.

[18].A. Cheng, **Yuanman Li**, and J. T. Zhou, “SIFT Keypoint Removal via Convex Relaxation”, *In Proceedings of IEEE International Conference on Multimedia and Expo (ICME-15)*, 2015 (Oral, AR 15%).

[19].Y. Y. Li, J. T. Zhou, **Yuanman Li**, and O. C. Au, “Reducing the Ciphertext Expansion in Image Homomorphic Encryption via Linear Interpolation Technique”, *In Proceedings of IEEE Global Conference on Signal and Information Processing (GlobalSIP-15)*, 2015.

[20].**Yuanman Li** and J. T. Zhou, “Sparsity-driven reconstruction of L]-decoded images”, *In Proceedings of IEEE International Conference on Image Processing (ICIP-14)*, 2014.

[21].L. Dong, J. Wang, **Yuanman Li** and Y. Y. Tang,“Sector projection fourier descriptor for Chinese character recognition”, *In Proceedings of IEEE International Conference on Cybernetics (CYBCONF)*, 2013.

联系方式

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