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| **Dr. Yuanman Li**  Email: [yuanmanli@szu.edu.cn](mailto:yuanmanli@szu.edu.cn), [yuanmanx.li@gmail.com](mailto:yuanmanx.li@gmail.com); Phone: (+86) 13927415980  Associate Research Fellow, College of Electronics and Information Engineering  Canghai Campus, Building N605, Shenzhen University, Shenzhen, China |
| **SUMMARY:**  Dr. Yuanman Li is an Associate Research Fellow at the School of Electronics and Information Engineering and a member of IEEE. He earned his Bachelor's degree in Software Engineering from Chongqing University in 2012. After graduating, he was awarded a full scholarship to the University of Macau, where he obtained his Master's degree in Software Engineering in 2015 and a Ph.D. in Computer Science in 2018.  From September 2018 to August 2019, he worked as a postdoctoral researcher at the National Key Laboratory of Internet of Things for Smart City in Macau. Since September 2019, he has been serving at the School of Electronics and Information Engineering at Shenzhen University. His research focuses on multimedia information security and computer vision. He has been honored with titles such as "Shenzhen Overseas High-Level Talent" and "Shenzhen Outstanding Scientific and Technological Innovation Talent".  Dr. Li has led more than ten projects, including National Natural Science Foundation projects, provincial natural science foundation projects, and corporate-funded projects. He has been granted six Chinese invention patents, and has published over 50 research papers in prestigious international journals and conferences such as T-IFS, T-SC, T-CSVT, T-MM, T-NNLS, T-NSE, SPL, CVPR, ACMMM, and AAAI. His research achievements were recognized with the 2022 Macau Natural Science Award.  **EDUCATION:**   * PhD in Computer and Information Science, University of Macau, Macau (2015-2018) * Master in Software Engineering, University of Macau, Macau (2012-2015) * Bachelor in Software Engineering, Chongqing University, China (2008-2012)   **WORKING EXPERIENCE:**   * Associate Research Fellow, College of Electronics and Information Engineering, Shenzhen University, China (2021.06-) * Assistant Professor, College of Electronics and Information Engineering, Shenzhen University, China (2019.09-) * Post-Doc Fellow, the State Key Laboratory of Internet of Things for Smart City in Macau SAR, Macau (2018.09-2019.08)   **RESEARCH INTERESTS:**   * Multimedia Forensics and Security * Multimedia Signal Processing * Security and Privacy in Machine Learning * Computer Vision and Big Data   **COURSE TEACHING:**   * Machine Learning * Big Data Analysis * Specialty Comprehensive Design * Image and Audio-Video Processing Techniques and Cutting-Edge Applications   **AWARDS AND HONOR:**   * Macau Science and Technology Awards (3rd Prize, Natural Science Award), 2022 * Shenzhen Outstanding Scientific and Technological Innovation Talent Award, 2022 * Shenzhen University Research Excellence Award, 2022 * CCF-Alibaba Innovation Research Program Young Talent, 2022 * Shenzhen High-Level Overseas Talent Award, 2020 * Macau Postgraduate Technology Research and Development Award, 2018 * Outstanding graduate of Chongqing University, 2012 * National Scholarship of the Ministry of Education of the People's Republic of China, 2011 * The Second Prize of the National College Students Mathematical Modeling Contest, 2010   **PROFESSIONAL ACTIVITIES:**   * Member of IEEE, 2018- * Guest Editor, Visual Intelligence, 2023- * Chinese Society of Image and Graphics (CSIG) - Digital Forensics and Security Professional Committee Member, 2020- * Area Chair, IEEE International Conference on Multimedia and Expo (ICME), 2023 * Session Chair, IEEE International Conference on Multimedia and Expo (ICME), 2023 * Session Chair, International Conference Security and Privacy in Digital Economy (SPDE), 2020 * Program Committee Member, AAAI, CVPR, ICCV and ACMMM, 2020-   **INVITED TALKS:**   * 2023 3rd Western Region Comprehensive Governance and Academic Development Seminar on Cyberspace Security: Research on Robust Source Forensics for Short Videos from Multiple Social Networking Platforms * 2022 Alibaba Business Security Department Workshop: Recent Research on Multimedia Security. * 2021 1st Macau Smart City Technology Seminar: Operation Chain Detection for Digital Images.   **SELECTED PUBLICATIONS:**  **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**, Minhua Liu, Jinyu Tian, Jie Du, and Xia Li, "Operation History Estimation and Its Application to Multi-Degraded Image Restoration", ***IEEE Transactions on Consumer Electronics (T-CE)***, in press, 2023. 3. **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. 4. **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)***, vol. 33, no. 9, pp. 4228-4242, 2022. 5. **Yuanman Li** and J. T. Zhou, "Fast and Effective Image Copy-Move Forgery Detection via Hierarchical Feature Point Matching", ***IEEE Transactions on Information Forensics and Security (T-IFS)***, vol. 14, no. 5, pp. 1307-1322, 2019. 6. **Yuanman Li**, J. T. Zhou, and A. Cheng, "SIFT Keypoint Removal via Directed Graph Construction for Color Images", ***IEEE Transactions on Information Forensics and Security (T-IFS)***, vol. 12, no. 12, pp. 2971-2985, 2017. 7. **Yuanman Li**, J. T. Zhou, A. Cheng, X. M. Liu, and Y. Y. 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Zhou, "Anti-Forensics of Lossy Predictive Image Compression", ***IEEE Signal Processing Letters (SPL)***, vol. 22, no. 12, pp. 2219-2223, 2015. 12. 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. 13. 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. 14. Zhongyun Hua, Ziyi Wang, Yifeng Zheng, Yongyong Chen and **Yuanman Li**\*, "[Enabling Large-Capacity Reversible Data Hiding Over Encrypted JPEG Bitstreams](https://scholar.google.com/citations?view_op=view_citation&hl=zh-CN&user=GQUDu68AAAAJ&sortby=pubdate&citation_for_view=GQUDu68AAAAJ:dhFuZR0502QC)", ***IEEE Transactions on Circuits and Systems for Video Technology (T-CSVT)***, vol. 33, no. 3,pp.1003-1018, 2023. 15. 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. 16. 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. 17. 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Chen and **Yuanman Li** , "Color image encryption using orthogonal Latin squares and a new 2D chaotic system", ***Nonlinear Dynamics***, vol.104, pp. 4505-4522, 2021. 26. Z. Y. Hua, J. X. Li, **Yuanman Li** and Y. Y. Chen "Image encryption using value-differencing transformation and modified ZigZag transformation", ***Nonlinear Dynamics***, vol.106, pp.3583-3599, 2021. 27. J. Duan, J. T. Zhou and **Yuanman Li**, "Privacy-Preserving distributed deep learning based on secret sharing", ***Information Science***, vol. 527, pp. 108-127, 2020.   **CONFERENCE**   1. **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, top 5% paper). 2. 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(**Oral**) 17. **Yuanman Li** and J. T. Zhou, "Image Copy-Move Forgery Detection Using Hierarchical Feature Point Matching", *APSIPA Annual Summit and Conference (ASC)*, 2016. (**Oral**) 18. J. Duan, J. T. Zhou, and **Yuanman Li**, "Secure and Verifiable Outsourcing of Nonnegative Matrix Factorization (NMF)", ***ACM Workshop on Information Hiding and Multimedia Security (IH&MMSec-16)***, 2016. 19. A. Cheng, **Yuanman Li**, and J. T. Zhou, "SIFT Keypoint Removal via Convex Relaxation",***IEEE International Conference on Multimedia and Expo (ICME-15)***, 2015 (oral, top 15% paper). 20. Y. Y. Li, J. T. Zhou, **Yuanman Li**, and O. C. Au, "Reducing the Ciphertext Expansion in Image Homomorphic Encryption via Linear Interpolation Technique", *IEEE Global Conference on Signal and Information Processing (GlobalSIP)*, 2015. 21. **Yuanman Li** and J. T. 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